Mobile Web Best Practices (MWBP) vs. WCAG

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## Purpose of this document

* Compare and contrast WCAG and MWBP
* Understand the extra work to be done to meet MWBP

## WCAG and MWBP

WCAG and MWBP both aim to improve the Web interaction of users who experience barriers due to either disabilities or the device used to access the Web. However, WCAG and MWBP have slightly different approaches. For example, a key feature of WCAG 2.0 success criteria is that they are specifically designed to be testable statements. Although some of the Mobile Web Best Practices are testable, they are not all intended to be testable.

## Mapping WCAG to MWBP

The relationship between WCAG and MWBP is too complex for a simple mapping table to adequately communicate what developers need to do to meet both. For example, in some cases complying with a specific WCAG provision will meet the related MWBP; however, the inverse is not always true and complying with the MWBP provision will not necessarily meet the related WCAG provision. Thus, there is no simple mapping table between WCAG and MWBP.

As defined by W3C the following phrases explain the relationship between WCAG and MWBP.

Nothing: If a provision is labeled “Nothing” then content that complies with WCAG 2.0 already complies with the provision and no further effort is necessary. The following list includes all of the provisions that are marked “Nothing”.

Something: If a provision is labeled “Something” then more effort of some kind is necessary to comply with the provision. All of the provisions marked “Something” are included in the list below. Each item in the list is a link to an explanation of what is required, in the next section of this report. For each there is a list of the provisions that may provide some compliance or are in some way related.

### Possibly vs. Partially:

There is no direct correspondence between one provision and another. In some cases, it may be necessary to make an extra effort or to consider a more diverse range of user needs. In these cases, the word “possibly” is used. In other cases scope may be different, giving partial compliance. In these cases the word “partially” is used.

Everything: For all other BPs, WCAG 2.0 does not ensure compliance and it will be necessary to do the work involved. These BPs are not related to any WCAG 2.0 success criteria.

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| **MWBP** | **Relationship**  **(compliance with WCAG)** | **WCAG** |
| [AUTO\_REFRESH](http://www.w3.org/TR/mobile-bp/#AUTO_REFRESH) | Nothing | [3.2.5 Change on Request](http://www.w3.org/TR/WCAG20/#consistent-behavior-no-extreme-changes-context) |
| [FONTS](http://www.w3.org/TR/mobile-bp/#FONTS) | Nothing | [1.3.1 Info and Relationships](http://www.w3.org/TR/WCAG20/#content-structure-separation-programmatic). |
| [LINK\_TARGET\_ID](http://www.w3.org/TR/mobile-bp/#LINK_TARGET_ID) | Nothing | [2.4.9 Link Purpose (Link Only)](http://www.w3.org/TR/WCAG20/#navigation-mechanisms-link) |
| [NON-TEXT\_ALTERNATIVES](http://www.w3.org/TR/mobile-bp/#NON-TEXT_ALTERNATIVES) | Nothing | [1.1.1 Non-text Content”](http://www.w3.org/TR/WCAG20/#text-equiv-all) |
| [STYLE\_SHEETS\_USE](http://www.w3.org/TR/mobile-bp/#STYLE_SHEETS_USE) | Nothing | [1.3.1 Info and Relationships](http://www.w3.org/TR/WCAG20/#content-structure-separation-programmatic) |
| [TAB\_ORDER](http://www.w3.org/TR/mobile-bp/#TAB_ORDER) | Nothing | [2.4.3 Focus Order](http://www.w3.org/TR/WCAG20/#navigation-mechanisms-focus-order). |
| [USE\_OF\_COLOR](http://www.w3.org/TR/mobile-bp/#USE_OF_COLOR) | Nothing | [1.4.1 Use of Color](http://www.w3.org/TR/WCAG20/#visual-audio-contrast-without-color). |
| [BACKGROUND\_IMAGE\_READABILITY](http://www.w3.org/TR/mwbp-wcag/wcag20-mwbp.html#mwbp10_BACKGROUND_IMAGE_READABILITY) | Something | possibly covered at level AA by [1.4.3 Contrast (Minimum)](http://www.w3.org/TR/WCAG20/#visual-audio-contrast-contrast) and at level AAA [1.4.6 Contrast (Enhanced)](http://www.w3.org/TR/WCAG20/#visual-audio-contrast7) |
| [COLOR\_CONTRAST](http://www.w3.org/TR/mwbp-wcag/wcag20-mwbp.html#mwbp10_COLOR_CONTRAST) | Something | partially covered at level AA by success criterion [1.4.3 Contrast (Minimum)](http://www.w3.org/TR/WCAG20/#visual-audio-contrast-contrast) and at level AAA [1.4.6 Contrast (Enhanced)](http://www.w3.org/TR/WCAG20/#visual-audio-contrast7) |
| [LINK\_TARGET\_ID](http://www.w3.org/TR/mwbp-wcag/wcag20-mwbp.html#mwbp10_LINK_TARGET_ID) | Something | Partially covered at level A by [2.4.4 Link Purpose (In Context)](http://www.w3.org/TR/WCAG20/#navigation-mechanisms-refs). |
| [NAVIGATION](http://www.w3.org/TR/mwbp-wcag/wcag20-mwbp.html#mwbp10_NAVIGATION) | Something | partially covered at level AA by [3.2.3 Consistent Navigation](http://www.w3.org/TR/WCAG20/#consistent-behavior-consistent-locations) and at level AAA [2.4.10 Section Headings](http://www.w3.org/TR/WCAG20/#navigation-mechanisms-headings) |
| [NON-TEXT\_ALTERNATIVES](http://www.w3.org/TR/mwbp-wcag/wcag20-mwbp.html#mwbp10_NON-TEXT_ALTERNATIVES) | Something | partially covered at level AAA by [1.2.7 Full Text Alternative](http://www.w3.org/TR/WCAG20/#media-equiv-text-doc) (but covered already at that level by [1.1.1 Non-text Content](http://www.w3.org/TR/WCAG20/#text-equiv-all)) |
| [CONTROL\_POSITION](http://www.w3.org/TR/mwbp-wcag/wcag20-mwbp.html#mwbp10_CONTROL_POSITION) | Something | possibly covered at level A by [1.3.1 Info and Relationships](http://www.w3.org/TR/WCAG20/#content-structure-separation-programmatic) |
| [MEASURES](http://www.w3.org/TR/mwbp-wcag/wcag20-mwbp.html#mwbp10_MEASURES) | Something | possibly covered at level AA by [1.4.4 Resize text](http://www.w3.org/TR/WCAG20/#visual-audio-contrast-scale) |
| [ACCESS\_KEYS](http://www.w3.org/TR/mobile-bp/#ACCESS_KEYS) | Everything | N/A |
| [DEFAULT\_INPUT\_MODE](http://www.w3.org/TR/mobile-bp/#DEFAULT_INPUT_MODE) | Everything | N/A |
| [NAVBAR](http://www.w3.org/TR/mobile-bp/#NAVBAR) | Everything | N/A |
| [TABLES\_LAYOUT](http://www.w3.org/TR/mobile-bp/#TABLES_LAYOUT) | Everything | N/A |
| [NO\_FRAMES](http://www.w3.org/TR/mobile-bp/#NO_FRAMES) | Everything | N/A |
| [SCROLLING](http://www.w3.org/TR/mobile-bp/#SCROLLING) | Everything | N/A |
| [TABLES\_NESTED](http://www.w3.org/TR/mobile-bp/#TABLES_NESTED) | Everything | N/A |
| [PROVIDE\_DEFAULTS](http://www.w3.org/TR/mobile-bp/#PROVIDE_DEFAULTS) | Everything | N/A |
| [CENTRAL\_MEANING](http://www.w3.org/TR/mobile-bp/#CENTRAL_MEANING) | Everything | N/A |
| [IMAGE\_MAPS](http://www.w3.org/TR/mobile-bp/#IMAGE_MAPS) | Everything | N/A |
| [LIMITED](http://www.w3.org/TR/mobile-bp/#LIMITED) | Everything | N/A |
| [OBJECTS\_OR\_SCRIPT](http://www.w3.org/TR/mobile-bp/#OBJECTS_OR_SCRIPT) | Everything | N/A |

<http://www.w3.org/2007/02/mwbp_flip_cards#use_the_network_sparingly>

<http://www.w3.org/2005/MWI/Activity>