

Converting Colors

`RYB(152, 236, 212)`

Have a look what the booklet for
RYB(152, 236, 212) contains.

RYB(152, 236, 212)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(152, 236, 212)

Conversions

Conversions Part 1

Format	Color
Hex	B0EC98
RGB	176, 236, 152
RGB Percent	69%, 93%, 60%
CMY	0.3098, 0.0745, 0.4039
CMYK	0.25, 0.00, 0.36, 0.07
HSL	103°, 69%, 76%
HSV	103°, 36%, 93%
XYZ	53.5674, 71.4880, 40.6810
YIQ	208.4840, -8.7960, -38.8440

Conversions

Conversions Part 2

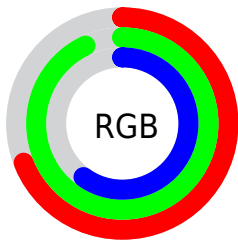
Format	Color
RYB	152, 236, 212
Decimal	11594904
CIELab	87.72, -34.07, 34.78
CIELCh	88, 48.688, 134.406
Yxy	71.4880, 0.3232, 0.4313
Android (android.graphics.Color)	4289784984 (0xFFB0EC98)
YUV	208.4840, -27.8466, -28.4885
Hunter-Lab	84.5506, -34.8740, 30.6584

Details

The RYB color **152, 236, 212** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **212, 152, 236**, and the grayscale version is **209, 209, 209**.

A 20% lighter version of the original color is **207, 255, 229**, and **100, 180, 159** is the 20% darker color. If you saturate the color by 10%, you get **128, 236, 205**, and if you desaturate by 10%, it is **176, 236, 219**.

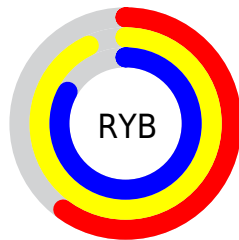
Distribution



Red (69%)

Green (93%)

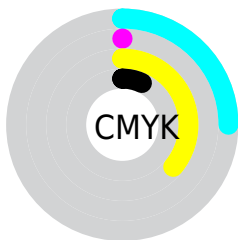
Blue (60%)



Red (60%)

Yellow (93%)

Blue (83%)

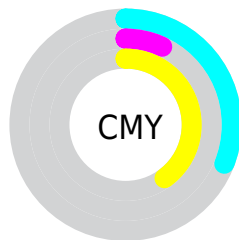


Cyan (25%)

Magenta (0%)

Yellow (36%)

Black (7%)



Cyan (31%)

Magenta (7%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the RYB color 152, 236, 212 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RYB color 152, 236, 212 by changing the saturation by 10% instead.

 152, 236, 212


255, 255, 255


 207, 255, 229


 235, 255, 235

 152, 236, 212

 126, 208, 186

 100, 180, 159


 75, 153, 133

 51, 127, 109

 27, 101, 85

 1, 77, 66

 0, 53, 53

 0, 34, 34

 0, 0, 0

 152, 236, 212

 152, 236, 212

 128, 236, 205

 176, 236, 219

 105, 236, 199

 199, 236, 225

 81, 236, 192

 223, 236, 232

 58, 236, 185

 243, 236, 246

 34, 236, 178

 255, 236, 255

 10, 236, 171

 0, 236, 169

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



132, 228, 128



152, 236, 212



115, 195, 243

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



152, 236, 212



103, 173, 255



255, 184, 199

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



152, 236, 212



212, 152, 236

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 186, 246



152, 236, 212



188, 208, 255

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



152, 236, 212



0, 124, 255



253, 200, 255



255, 214, 157

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



152, 236, 212



62, 159, 245



253, 200, 255



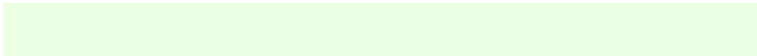
255, 183, 215

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



152, 236, 212



227, 255, 247



188, 236, 152



111, 128, 123



0, 0, 0



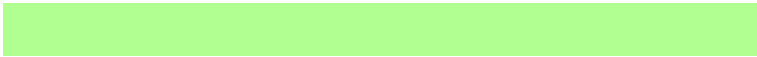
128, 128, 128

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



152, 236, 212



145, 255, 223



152, 222, 236



106, 117, 114



0, 181, 129



0, 54, 39

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



212, 152, 236



224, 145, 255



236, 152, 219



114, 106, 117



129, 0, 181



38, 0, 54

Previews

White Background



This preview shows how the RYB color 152, 236, 212 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 152, 236, 212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 152, 236, 212 Background



This preview shows how black text looks on a background with the RYB color 152, 236, 212.

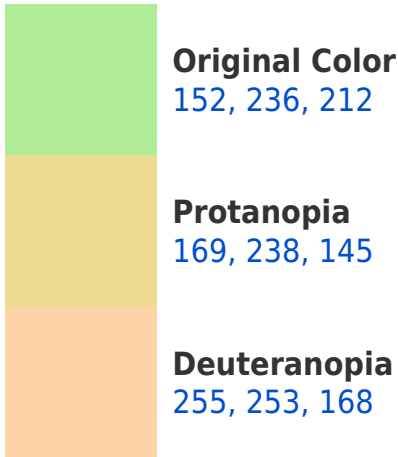


This preview shows how white text looks on a background with the RYB color 152, 236, 212.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





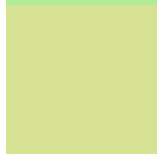
Tritanopia
191, 212, 243

Trichromacy



Original Color

152, 236, 212



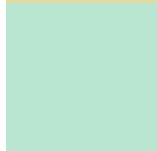
Protanomaly

148, 225, 158



Deuteranomaly

169, 226, 162



Tritanomaly

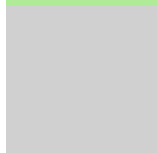
186, 214, 229

Monochromacy



Original Color

152, 236, 212



Achromatopsia

208, 208, 208



Achromatomaly

188, 218, 210

CSS Examples

Text

The CSS property to change the color of the text to RYB 152, 236, 212 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(176, 236, 152)` looks like.

```
.text, #text, p{  
    color:rgb(176, 236, 152)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(176, 236, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 236, 152) }
```

Border

The CSS property to change the border of an element to RYB 152, 236, 212 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 236, 152) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(176, 236, 152) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(176, 236, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 236, 152); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 236, 152); box-shadow:4px 4px 4px 4px rgb(176, 236, 152) }
```

Background

The CSS property to change the background color of an element to RYB 152, 236, 212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 236, 152) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(176,  
236, 152) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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