

Converting Colors

`RYB(130, 186, 212)`

Have a look what the booklet for
RYB(130, 186, 212) contains.

RYB(130, 186, 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(130, 186, 212)

Conversions

Conversions Part 1

Format	Color
Hex	82D4A8
RGB	130, 212, 168
RGB Percent	51%, 83%, 66%
CMY	0.4902, 0.1686, 0.3409
CMYK	0.39, 0.00, 0.21, 0.17
HSL	148°, 49%, 67%
HSV	148°, 39%, 83%
XYZ	39.8239, 54.6626, 45.5327
YIQ	182.4660, -34.7480, -31.0680

Conversions

Conversions Part 2

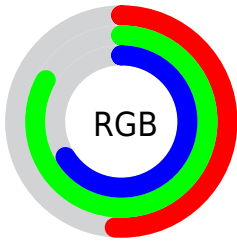
Format	Color
RYB	130, 186, 212
Decimal	8574120
CIELab	78.85, -34.68, 13.97
CIELCh	79, 37.385, 158.061
Yxy	54.6626, 0.2844, 0.3904
Android (android.graphics.Color)	4286764200 (0xFF82D4A8)
YUV	182.4660, -7.1317, -46.0127
Hunter-Lab	73.9342, -33.2374, 15.2399

Details

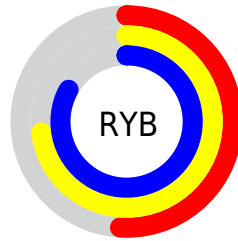
The RYB color **130, 186, 212** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **212, 130, 174**, and the grayscale version is **183, 183, 183**.

A 20% lighter version of the original color is **186, 231, 255**, and **76, 130, 157** is the 20% darker color. If you saturate the color by 10%, you get **109, 179, 212**, and if you desaturate by 10%, it is **151, 193, 212**.

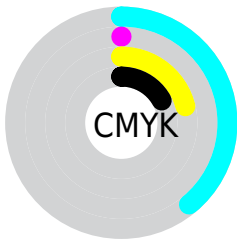
Distribution



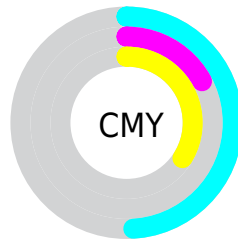
- Red (51%)
- Green (83%)
- Blue (66%)



- Red (51%)
- Yellow (73%)
- Blue (83%)



- Cyan (39%)
- Magenta (0%)
- Yellow (21%)
- Black (17%)



- Cyan (49%)
- Magenta (17%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the RYB color 130, 186, 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 130, 186, 212 by changing the saturation by 10% instead.

 130, 186, 212


255, 255, 255


 186, 231, 255


 214, 235, 255

 243, 249, 255

 130, 186, 212

 103, 158, 184

 76, 130, 157

 48, 102, 130

 14, 71, 105

 0, 51, 80

 0, 39, 56


 0, 36, 36


 0, 0, 0

 130, 186, 212


 130, 186, 212

 109, 179, 212


 151, 193, 212

 88, 173, 212


 172, 199, 212

 66, 166, 212

 194, 206, 212

 45, 159, 212

 215, 212, 214

 24, 153, 212

 236, 212, 225

 3, 146, 212

 255, 212, 236

 0, 145, 212

 255, 212, 248

 255, 212, 255

Harmonies

Analogous

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



139, 206, 173



130, 186, 212



89, 154, 214

Triad

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



130, 186, 212



162, 186, 255



255, 179, 154

Complementary

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



130, 186, 212



212, 130, 174

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, 169, 187



130, 186, 212



212, 183, 250

Square

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



130, 186, 212



107, 166, 255



247, 172, 222



241, 233, 131

Rectangle

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



130, 186, 212



72, 146, 227



247, 172, 222



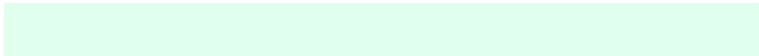
255, 172, 164

Sweetspot

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



130, 186, 212



224, 245, 255



130, 212, 167



110, 122, 128



0, 0, 0



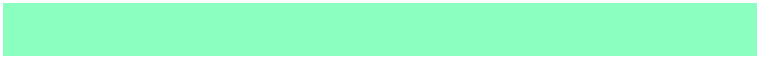
128, 128, 128

Same Dimension

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



130, 186, 212



138, 218, 255



130, 172, 212



96, 104, 107



0, 117, 171



0, 29, 43

Inverse Universe

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



212, 130, 174



255, 138, 201



212, 130, 134



107, 96, 102



171, 0, 92



43, 0, 23

Previews

White Background



This preview shows how the RYB color 130, 186, 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 130, 186, 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 130, 186, 212 Background



This preview shows how black text looks on a background with the RYB color 130, 186, 212.

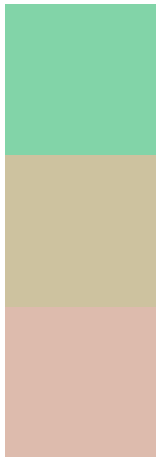


This preview shows how white text looks on a background with the RYB color 130, 186, 212.

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



Original Color
130, 186, 212

Protanopia
173, 205, 159

Deuteranopia
221, 193, 173



Tritanopia
142, 177, 221

Trichromacy



Original Color

130, 186, 212



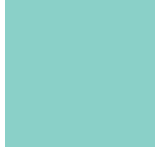
Protanomaly

162, 201, 185



Deuteranomaly

171, 196, 179



Tritanomaly

138, 175, 208

Monochromacy



Original Color

130, 186, 212



Achromatopsia

182, 182, 182



Achromatomaly

163, 183, 193

CSS Examples

Text

The CSS property to change the color of the text to RYB 130, 186, 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(130, 212, 168)` looks like.

```
.text, #text, p{  
    color:rgb(130, 212, 168)  
}
```

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(130, 212, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 212, 168) }
```

Border

The CSS property to change the border of an element to RYB 130, 186, 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(130, 212, 168) }
```

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

```
.border{ border-color:rgb(130, 212, 168) }
```

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

Here you see how a box with a 4 pixel rgb(130, 212, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 212, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 212, 168);  
box-shadow:4px 4px 4px 4px rgb(130, 212,  
168) }
```

Background

The CSS property to change the background color of an element to RYB 130, 186, 212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 212, 168) }
```

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

```
.background{ background-color: rgb(130,  
212, 168) }
```

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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