

Converting Colors

`RYB(58, 226, 212)`

Have a look what the booklet for
RYB(58, 226, 212) contains.

RYB(58, 226, 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(58, 226, 212)

Conversions

Conversions Part 1

Format	Color
Hex	48E23A
RGB	72, 226, 58
RGB Percent	28%, 89%, 23%
CMY	0.7176, 0.1137, 0.7725
CMYK	0.68, 0.00, 0.74, 0.11
HSL	115°, 74%, 56%
HSV	115°, 74%, 89%
XYZ	30.6326, 56.0759, 13.2122
YIQ	160.8020, -37.8560, -84.8960

Conversions

Conversions Part 2

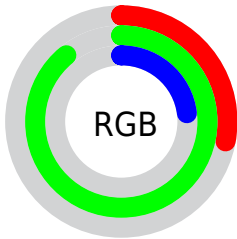
Format	Color
RYB	58, 226, 212
Decimal	4776506
CIELab	79.66, -69.51, 65.91
CIELCh	80, 95.788, 136.521
Yxy	56.0759, 0.3066, 0.5612
Android (android.graphics.Color)	4282966586 (0xFF48E23A)
YUV	160.8020, -50.6814, -77.8794
Hunter-Lab	74.8839, -58.0282, 41.9578

Details

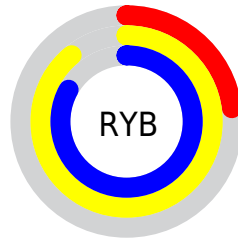
The RYB color **58, 226, 212** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **212, 58, 226**, and the grayscale version is **161, 161, 161**.

A 20% lighter version of the original color is **116, 255, 231**, and **0, 169, 169** is the 20% darker color. If you saturate the color by 10%, you get **35, 226, 210**, and if you desaturate by 10%, it is **81, 226, 214**.

Distribution



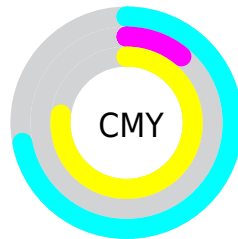
- Red (28%)
- Green (89%)
- Blue (23%)



- Red (23%)
- Yellow (89%)
- Blue (83%)



- Cyan (68%)
- Magenta (0%)
- Yellow (74%)
- Black (11%)



- Cyan (72%)
- Magenta (11%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the RYB color 58, 226, 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 58, 226, 212 by changing the saturation by 10% instead.



58, 226, 212



58, 226, 212

255, 255, 255



21, 196, 197



116, 255, 231



0, 169, 169



144, 255, 228



0, 142, 142



172, 255, 225



0, 115, 115



201, 255, 223



0, 89, 89



230, 255, 230



0, 64, 64



0, 39, 39



0, 0, 0



58, 226, 212



58, 226, 212

 35, 226, 210

 81, 226, 214


 13, 226, 208

 103, 226, 216

 0, 226, 207

 126, 226, 218

 148, 226, 219

 171, 226, 221

 194, 226, 224

 216, 226, 225

 238, 226, 239

 255, 226, 255

Harmonies

Analogous

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



0, 208, 17



58, 226, 212



0, 142, 235

Triad

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



58, 226, 212



0, 118, 255



255, 98, 152

Complementary

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



58, 226, 212



212, 58, 226

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, 104, 242



58, 226, 212



81, 148, 255

Square

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



58, 226, 212



0, 122, 255



255, 148, 255



255, 179, 67

Rectangle

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



58, 226, 212



0, 124, 237



255, 148, 255



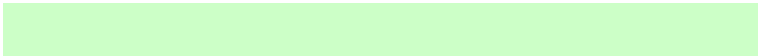
255, 93, 182

Sweetspot

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



58, 226, 212



199, 255, 250



73, 226, 58



94, 128, 125



0, 0, 0



128, 128, 128

Same Dimension

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



58, 226, 212



28, 255, 236



58, 177, 226



101, 112, 111



0, 176, 161



0, 48, 44

Inverse Universe

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



212, 58, 226



236, 28, 255



226, 58, 156



111, 101, 112



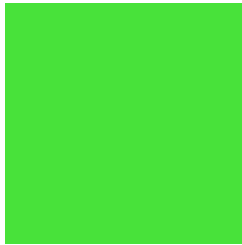
161, 0, 176



44, 0, 48

Previews

White Background



This preview shows how the RYB color 58, 226, 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 58, 226, 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](#).

R Y B 58, 226, 212 Background



This preview shows how black text looks on a background with the R Y B color 58, 226, 212.

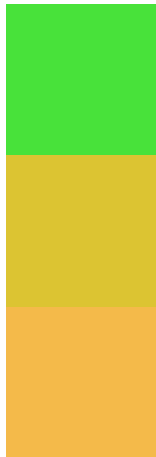


This preview shows how white text looks on a background with the R Y B color 58, 226, 212.

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](#).

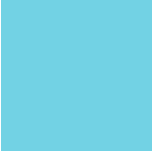
Dichromacy



Original Color
58, 226, 212

Protanopia
78, 220, 50

Deuteranopia
162, 244, 74



Tritanopia
114, 166, 228

Trichromacy



Original Color

58, 226, 212



Protanomaly

53, 207, 94



Deuteranomaly

68, 201, 88



Tritanomaly

99, 173, 216

Monochromacy



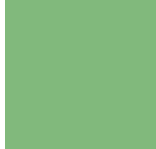
Original Color

58, 226, 212



Achromatopsia

161, 161, 161



Achromatomaly

124, 185, 180

CSS Examples

Text

The CSS property to change the color of the text to RYB 58, 226, 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(72, 226, 58)` looks like.

```
.text, #text, p{  
    color:rgb(72, 226, 58)  
}
```

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(72, 226, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 226, 58) }
```

Border

The CSS property to change the border of an element to RYB 58, 226, 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(72, 226, 58) }
```

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

```
.border{ border-color:rgb(72, 226, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 226, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 226, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 226, 58);  
box-shadow:4px 4px 4px 4px rgb(72, 226,  
58) }
```

Background

The CSS property to change the background color of an element to RYB 58, 226, 212 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 226, 58) }
```

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

```
.background{ background-color: rgb(72, 226,  
58) }
```

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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