

Converting Colors

`RYB(18, 213, 217)`

Have a look what the booklet for
RYB(18, 213, 217) contains.

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Color

R_YB(18, 213, 217)

Conversions

Conversions Part 1

Format	Color
Hex	12D916
RGB	18, 217, 22
RGB Percent	7%, 85%, 9%
CMY	0.9294, 0.1490, 0.9134
CMYK	0.92, 0.00, 0.90, 0.15
HSL	121°, 85%, 46%
HSV	121°, 92%, 85%
XYZ	25.2079, 49.8126, 9.0494
YIQ	135.2690, -56.0090, -102.8330

Conversions

Conversions Part 2

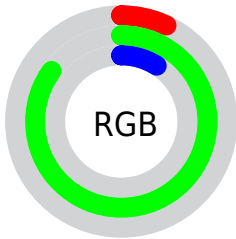
Format	Color
RYB	18, 213, 217
Decimal	1235222
CIELab	75.95, -75.11, 71.26
CIELCh	76, 103.535, 136.506
Yxy	49.8126, 0.2998, 0.5925
Android (android.graphics.Color)	4279425302 (0xFF12D916)
YUV	135.2690, -55.8416, -102.8449
Hunter-Lab	70.5780, -59.7577, 41.8025




Details

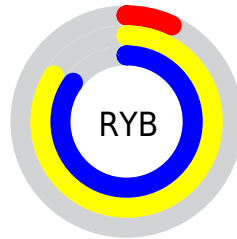
The RYB color **18, 213, 217** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **217, 18, 213**, and the grayscale version is **136, 136, 136**.




A 20% lighter version of the original color is **91, 255, 234**, and **0, 160, 160** is the 20% darker color. If you saturate the color by 10%, you get **0, 213, 217**, and if you desaturate by 10%, it is **40, 214, 217**.

Distribution







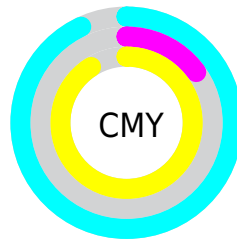
-  Red (7%)
-  Green (85%)
-  Blue (9%)






-  Red (7%)
-  Yellow (84%)
-  Blue (85%)



-  Cyan (92%)
-  Magenta (0%)
-  Yellow (90%)
-  Black (15%)



















-  Cyan (93%)
-  Magenta (15%)
-  Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the RYB color 18, 213, 217 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 18, 213, 217 by changing the saturation by 10% instead.

 18, 213, 217	 18, 213, 217
255, 255, 255	 0, 188, 188
 91, 255, 234	 0, 160, 160
 120, 255, 230	 0, 133, 133
 149, 255, 226	 0, 106, 106
 178, 255, 224	 0, 80, 80
 207, 255, 221	 0, 56, 56
 236, 255, 236	 0, 29, 29
	 0, 0, 0

 18, 213, 217  18, 213, 217

■ 0, 213, 217

■ 40, 214, 217

■ 61, 213, 217

■ 83, 214, 217

■ 105, 215, 217

■ 126, 215, 217

■ 148, 215, 217

■ 170, 216, 217

■ 192, 217, 217

■ 213, 217, 217

Harmonies

Analogous

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



0, 199, 22



18, 213, 217



0, 140, 226

Triad

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



18, 213, 217



0, 115, 255



255, 63, 139

Complementary

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



18, 213, 217



217, 18, 213

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, 72, 235



18, 213, 217



0, 106, 255

Square

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



18, 213, 217



0, 120, 255



254, 132, 255



255, 160, 44

Rectangle

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



18, 213, 217



0, 120, 228



254, 132, 255



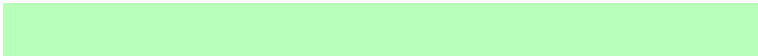
255, 53, 171

Sweetspot

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



18, 213, 217



184, 254, 255



18, 217, 21



84, 127, 128



0, 0, 0



128, 128, 128

Same Dimension

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



18, 213, 217



0, 250, 255



18, 149, 217



99, 110, 110



0, 169, 173



0, 45, 46

Inverse Universe

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



217, 18, 213



255, 0, 250



217, 18, 114



110, 99, 109



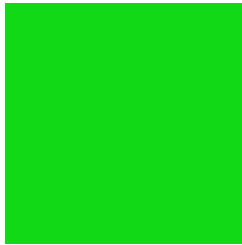
173, 0, 170



46, 0, 45

Previews

White Background



This preview shows how the RYB color 18, 213, 217 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 18, 213, 217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

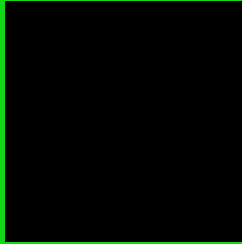
Any Text WCAG AA ✓ Pass

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 18, 213, 217 Background



This preview shows how black text looks on a background with the RYB color 18, 213, 217.



This preview shows how white text looks on a background with the RYB color 18, 213, 217.

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](#).

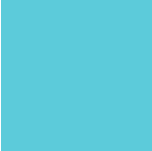
Dichromacy



Original Color
18, 213, 217

Protanopia
29, 209, 3

Deuteranopia
134, 233, 51



Tritanopia
92, 151, 218

Trichromacy



Original Color

18, 213, 217



Protanomaly

10, 197, 67



Deuteranomaly

40, 191, 76



Tritanomaly

65, 155, 207

Monochromacy



Original Color

18, 213, 217



Achromatopsia

135, 135, 135



Achromatomaly

92, 163, 165

CSS Examples

Text

The CSS property to change the color of the text to RYB 18, 213, 217 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(18, 217, 22)` looks like.

```
.text, #text, p{  
    color:rgb(18, 217, 22)  
}
```

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(18, 217, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 217, 22) }
```

Border

The CSS property to change the border of an element to RYB 18, 213, 217 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(18, 217, 22) }
```

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

```
.border{ border-color:rgb(18, 217, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 217, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 217, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 217, 22);  
box-shadow:4px 4px 4px 4px rgb(18, 217,  
22) }
```

Background

The CSS property to change the background color of an element to RYB 18, 213, 217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 217, 22) }
```

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

```
.background{ background-color: rgb(18, 217,  
22) }
```

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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