

Converting Colors

`RYB(18, 112, 205)`

Have a look what the booklet for
RYB(18, 112, 205) contains.

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Color

R_YB(18, 112, 205)

Conversions

Conversions Part 1

Format	Color
Hex	12CDCB
RGB	18, 205, 203
RGB Percent	7%, 80%, 80%
CMY	0.9294, 0.1961, 0.2039
CMYK	0.91, 0.00, 0.01, 0.20
HSL	179°, 84%, 44%
HSV	179°, 91%, 80%
XYZ	32.8615, 48.1035, 64.0595
YIQ	148.8590, -110.8100, -40.2660

Conversions

Conversions Part 2

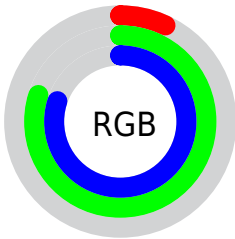
Format	Color
RYB	18, 112, 205
Decimal	1232331
CIELab	74.89, -40.84, -10.88
CIELCh	75, 42.263, 194.916
Yxy	48.1035, 0.2266, 0.3317
Android (android.graphics.Color)	4279422411 (0xFF12CDCB)
YUV	148.8590, 26.6915, -114.7633
Hunter-Lab	69.3567, -36.8001, -6.2119

Details

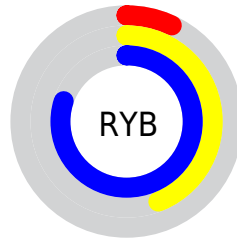
The RYB color **18, 112, 205** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **205, 18, 20**, and the grayscale version is **149, 149, 149**.

A 20% lighter version of the original color is **110, 183, 255**, and **0, 75, 150** is the 20% darker color. If you saturate the color by 10%, you get **0, 103, 205**, and if you desaturate by 10%, it is **39, 123, 205**.

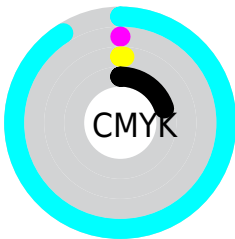
Distribution



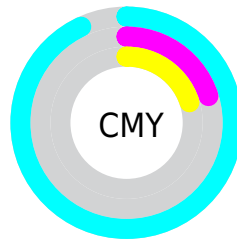
- Red (7%)
- Green (80%)
- Blue (80%)



- Red (7%)
- Yellow (44%)
- Blue (80%)



- Cyan (91%)
- Magenta (0%)
- Yellow (1%)
- Black (20%)




















- Cyan (93%)
- Magenta (20%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RYB color 18, 112, 205 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, 112, 205 by changing the saturation by 10% instead.

 18, 112, 205	 18, 112, 205
 255, 255, 255	 0, 89, 177
 110, 183, 255	 0, 75, 150
 143, 199, 255	 0, 62, 124
 174, 215, 255	 0, 49, 98
 206, 231, 255	 0, 37, 75
 237, 246, 255	 0, 25, 52
	 0, 14, 31
	 0, 0, 5
	 0, 0, 0

■ 18, 112, 205

■ 18, 112, 205

■ 0, 103, 205

■ 39, 123, 205

■ 59, 133, 205

■ 80, 143, 205

■ 100, 153, 205

■ 121, 163, 205

■ 141, 173, 205

■ 162, 184, 205

■ 182, 194, 205

■ 203, 204, 205

Harmonies

Analogous

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



96, 163, 204



18, 112, 205



0, 109, 238

Triad

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



18, 112, 205



213, 167, 240



202, 227, 109

Complementary

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



18, 112, 205



205, 18, 20

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.



252, 173, 131



18, 112, 205



248, 156, 206

Square

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



18, 112, 205



159, 178, 255



255, 154, 166



110, 190, 108

Rectangle

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



18, 112, 205



60, 140, 254



255, 154, 166



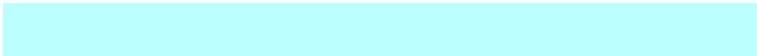
236, 219, 115

Sweetspot

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



18, 112, 205



186, 221, 255



18, 205, 202



87, 108, 128



0, 0, 0



128, 128, 128

Same Dimension

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



18, 112, 205



0, 128, 255



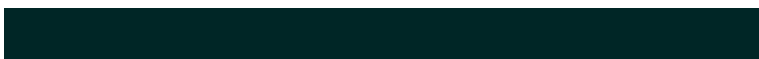
18, 82, 205



92, 97, 102



0, 84, 166



0, 19, 38

Inverse Universe

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



205, 18, 20



255, 0, 3



205, 192, 18



102, 92, 92



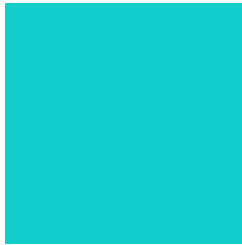
166, 0, 2



38, 0, 0

Previews

White Background



This preview shows how the RYB color 18, 112, 205 looks on a white background.

Color Contrast Check

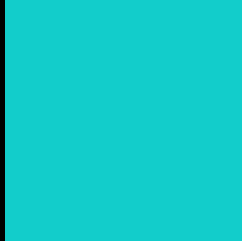
Large Text (above 18pt) WCAG AA × Fail

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, 112, 205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

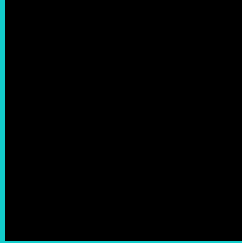
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

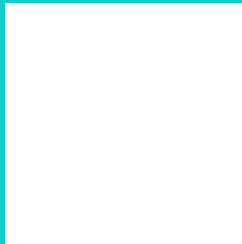
Any Text WCAG AAA ✓ Pass

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

RYB 18, 112, 205 Background



This preview shows how black text looks on a background with the RYB color 18, 112, 205.

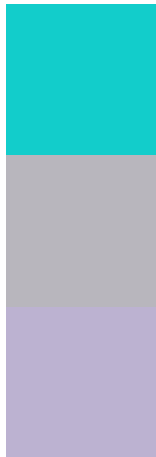


This preview shows how white text looks on a background with the RYB color 18, 112, 205.

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, 112, 205

Protanopia
184, 182, 189

Deuteranopia
188, 178, 209



Tritanopia
42, 126, 219

Trichromacy



Original Color

18, 112, 205



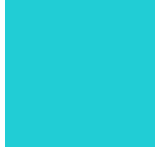
Protanomaly

124, 158, 194



Deuteranomaly

126, 161, 207



Tritanomaly

33, 121, 213

Monochromacy



Original Color

18, 112, 205



Achromatopsia

149, 149, 149



Achromatomaly

101, 135, 169

CSS Examples

Text

The CSS property to change the color of the text to RYB 18, 112, 205 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, 205, 203)` looks like.

```
.text, #text, p{  
    color:rgb(18, 205, 203)  
}
```

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, 205, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 205, 203) }
```

Border

The CSS property to change the border of an element to RYB 18, 112, 205 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, 205, 203) }
```

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

```
.border{ border-color:rgb(18, 205, 203) }
```

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

Here you see how a box with a 4 pixel rgb(18, 205, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 205, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 205, 203);  
box-shadow:4px 4px 4px 4px rgb(18, 205,  
203) }
```

Background

The CSS property to change the background color of an element to RYB 18, 112, 205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 205, 203) }
```

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

```
.background{ background-color: rgb(18, 205,  
203) }
```

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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