

Converting Colors

`RYB(14, 118, 218)`

Have a look what the booklet for
RYB(14, 118, 218) contains.

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Color

$\text{RYB}(14, 118, 218)$

Conversions

Conversions Part 1

Format	Color
Hex	0EDAD2
RGB	14, 218, 210
RGB Percent	5%, 85%, 82%
CMY	0.9451, 0.1451, 0.1759
CMYK	0.94, 0.00, 0.04, 0.15
HSL	178°, 88%, 45%
HSV	178°, 94%, 85%
XYZ	36.9045, 54.8970, 69.7244
YIQ	156.0920, -119.0160, -45.7360

Conversions

Conversions Part 2

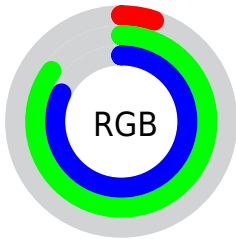
Format	Color
RYB	14, 118, 218
Decimal	973522
CIELab	78.98, -44.64, -8.63
CIELCh	79, 45.462, 190.937
Yxy	54.8970, 0.2285, 0.3399
Android (android.graphics.Color)	4279163602 (0xFF0EDAD2)
YUV	156.0920, 26.5766, -124.6147
Hunter-Lab	74.0925, -40.7533, -3.9298

Details

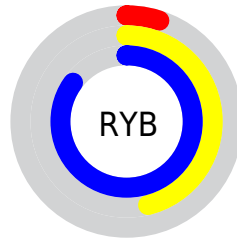
The RYB color **14, 118, 218** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **218, 14, 22**, and the grayscale version is **156, 156, 156**.

A 20% lighter version of the original color is **112, 184, 255**, and **0, 83, 162** is the 20% darker color. If you saturate the color by 10%, you get **0, 111, 218**, and if you desaturate by 10%, it is **36, 129, 218**.

Distribution



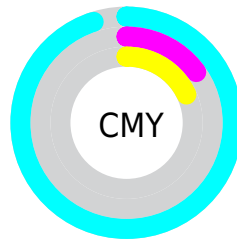
- Red (5%)
- Green (85%)
- Blue (82%)



- Red (5%)
- Yellow (46%)
- Blue (85%)



- Cyan (94%)
- Magenta (0%)
- Yellow (4%)
- Black (15%)




















- Cyan (95%)
- Magenta (15%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the RYB color 14, 118, 218 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 14, 118, 218 by changing the saturation by 10% instead.

 14, 118, 218	 14, 118, 218
 255, 255, 255	 0, 97, 190
 112, 184, 255	 0, 83, 162
 146, 201, 255	 0, 69, 135
 178, 217, 255	 0, 56, 109
 209, 232, 255	 0, 43, 84
 241, 248, 255	 0, 31, 60
	 0, 20, 38
	 0, 1, 16
	 0, 0, 0

■ 14, 118, 218

■ 14, 118, 218

■ 0, 111, 218

■ 36, 129, 218

■ 58, 140, 218

■ 79, 150, 218

■ 101, 161, 218

■ 123, 172, 218

■ 145, 182, 218

■ 167, 193, 218

■ 188, 203, 218

■ 210, 214, 218

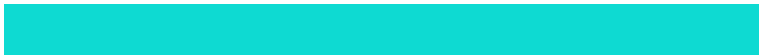
Harmonies

Analogous

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



106, 177, 216



14, 118, 218



0, 116, 250

Triad

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



14, 118, 218



220, 179, 255



235, 246, 116

Complementary

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



14, 118, 218



218, 14, 22

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, 179, 142



14, 118, 218



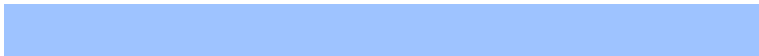
255, 166, 224

Square

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



14, 118, 218



158, 185, 255



255, 162, 181



122, 208, 111

Rectangle

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



14, 118, 218



34, 132, 255



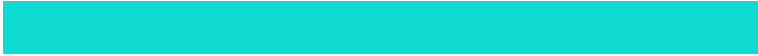
255, 162, 181



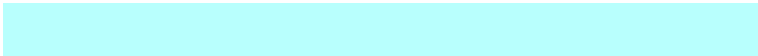
255, 220, 123

Sweetspot

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



14, 118, 218



184, 220, 255



14, 218, 208



84, 107, 128



0, 0, 0



128, 128, 128

Same Dimension

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



14, 118, 218



0, 130, 255



14, 86, 218



99, 105, 110



0, 88, 173



0, 24, 46

Inverse Universe

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



218, 14, 22



255, 0, 10



218, 182, 14



110, 99, 99



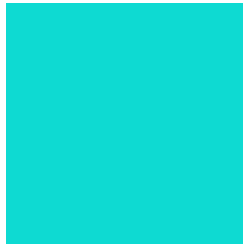
173, 0, 7



46, 0, 2

Previews

White Background



This preview shows how the RYB color 14, 118, 218 looks on a white background.

Color Contrast Check

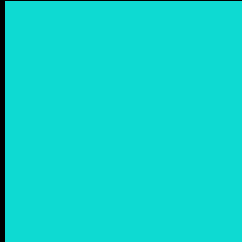
Large Text (above 18pt) WCAG AA × Fail

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 14, 118, 218 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

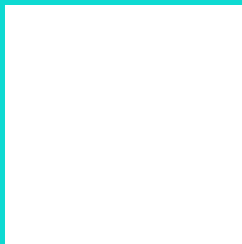
Any Text WCAG AAA ✓ Pass

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

R Y B 14, 118, 218 Background



This preview shows how black text looks on a background with the R Y B color 14, 118, 218.

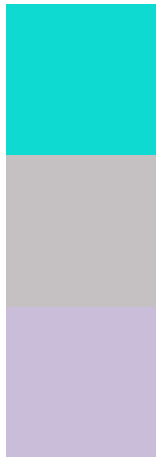


This preview shows how white text looks on a background with the R Y B color 14, 118, 218.

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](#).

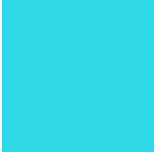
Dichromacy



Original Color
14, 118, 218

Protanopia
197, 193, 195

Deuteranopia
202, 189, 217



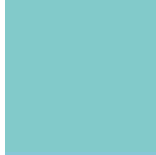
Tritanopia
48, 136, 232

Trichromacy



Original Color

14, 118, 218



Protanomaly

130, 166, 202



Deuteranomaly

134, 170, 215



Tritanomaly

36, 128, 224

Monochromacy



Original Color

14, 118, 218



Achromatopsia

156, 156, 156



Achromatomaly

104, 142, 179

CSS Examples

Text

The CSS property to change the color of the text to RYB 14, 118, 218 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(14, 218, 210)` looks like.

```
.text, #text, p{  
    color:rgb(14, 218, 210)  
}
```

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(14, 218, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 218, 210) }
```

Border

The CSS property to change the border of an element to RYB 14, 118, 218 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(14, 218, 210) }
```

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

```
.border{ border-color:rgb(14, 218, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 218, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 218, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 218, 210);  
box-shadow:4px 4px 4px 4px rgb(14, 218,  
210) }
```

Background

The CSS property to change the background color of an element to RGB 14, 118, 218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 218, 210) }
```

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

```
.background{ background-color: rgb(14, 218,  
210) }
```

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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