

Converting Colors

`RYB(14, 110, 211)`

Have a look what the booklet for
RYB(14, 110, 211) contains.

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Color

$\text{RYB}(14, 110, 211)$

Conversions

Conversions Part 1

Format	Color
Hex	0EC9D3
RGB	14, 201, 211
RGB Percent	5%, 79%, 83%
CMY	0.9451, 0.2108, 0.1725
CMYK	0.93, 0.05, 0.00, 0.17
HSL	183°, 88%, 44%
HSV	183°, 93%, 83%
XYZ	32.8834, 46.6853, 68.9060
YIQ	146.2270, -114.6620, -36.5340

Conversions

Conversions Part 2

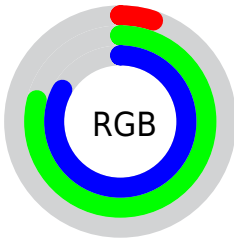
Format	Color
R _{YB}	14, 110, 211
Decimal	969171
CIE Lab	73.99, -36.87, -16.56
CIE LCh	74, 40.420, 204.184
Yxy	46.6853, 0.2215, 0.3144
Android (android.graphics.Color)	4279159251 (0xFF0EC9D3)
YUV	146.2270, 31.9331, -115.9631
Hunter-Lab	68.3266, -33.6654, -11.9641

Details

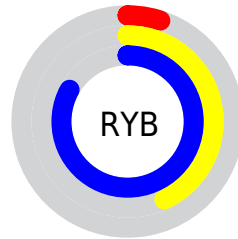
The RYB color **14, 110, 211** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **211, 25, 14**, and the grayscale version is **146, 146, 146**.

A 20% lighter version of the original color is **109, 182, 255**, and **0, 76, 157** is the 20% darker color. If you saturate the color by 10%, you get **0, 103, 211**, and if you desaturate by 10%, it is **35, 121, 211**.

Distribution



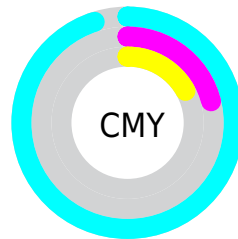
- Red (5%)
- Green (79%)
- Blue (83%)



- Red (5%)
- Yellow (43%)
- Blue (83%)



- Cyan (93%)
- Magenta (5%)
- Yellow (0%)
- Black (17%)




















- Cyan (95%)
- Magenta (21%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the RYB color 14, 110, 211 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, 110, 211 by changing the saturation by 10% instead.

 14, 110, 211	 14, 110, 211
 255, 255, 255	 0, 89, 183
 109, 182, 255	 0, 76, 157
 142, 199, 255	 0, 62, 130
 174, 215, 255	 0, 50, 105
 206, 231, 255	 0, 38, 81
 237, 246, 255	 0, 26, 58
	 0, 15, 37
	 0, 1, 14
	 0, 0, 0

■ 14, 110, 211

■ 14, 110, 211

■ 0, 103, 211

■ 35, 121, 211

■ 56, 131, 211

■ 77, 142, 211

■ 98, 153, 211

■ 120, 164, 211

■ 141, 175, 211

■ 162, 186, 211

■ 183, 197, 211

■ 204, 208, 211

Harmonies

Analogous

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



82, 149, 201



14, 110, 211



41, 129, 241

Triad

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



14, 110, 211



222, 162, 226



163, 213, 108

Complementary

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



14, 110, 211



211, 25, 14

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.



240, 186, 123



14, 110, 211



248, 153, 191

Square

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



14, 110, 211



176, 175, 249



254, 155, 153



113, 189, 126

Rectangle

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



14, 110, 211



91, 153, 253



254, 155, 153



201, 223, 111

Sweetspot

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



14, 110, 211



184, 218, 255



14, 204, 211



84, 105, 128



0, 0, 0



128, 128, 128

Same Dimension

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



14, 110, 211



0, 124, 255



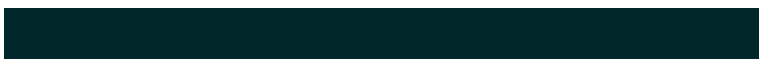
14, 77, 211



94, 99, 105



0, 82, 168



0, 20, 41

Inverse Universe

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



211, 14, 201



255, 0, 242



187, 211, 14



105, 94, 104



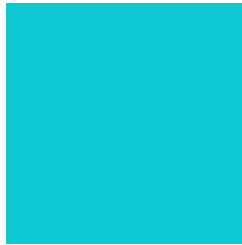
168, 0, 160



41, 0, 39

Previews

White Background



This preview shows how the RYB color 14, 110, 211 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, 110, 211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

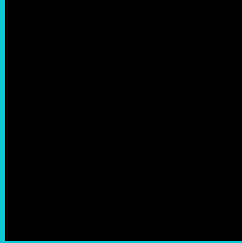
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

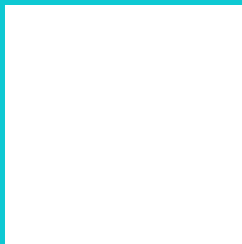
Any Text WCAG AAA ✓ Pass

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

RYB 14, 110, 211 Background



This preview shows how black text looks on a background with the RYB color 14, 110, 211.

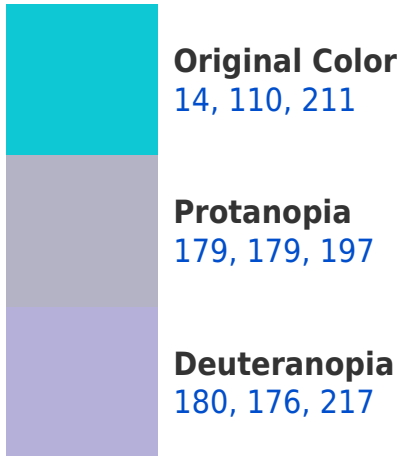



This preview shows how white text looks on a background with the RYB color 14, 110, 211.

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





Tritanopia
27, 118, 217

Trichromacy



Original Color

14, 110, 211



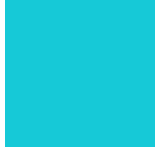
Protanomaly

119, 156, 202



Deuteranomaly

120, 159, 215



Tritanomaly

22, 115, 215

Monochromacy



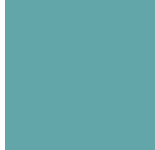
Original Color

14, 110, 211



Achromatopsia

146, 146, 146



Achromatomaly

98, 133, 170

CSS Examples

Text

The CSS property to change the color of the text to RYB 14, 110, 211 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, 201, 211)` looks like.

```
.text, #text, p{  
    color:rgb(14, 201, 211)  
}
```

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, 201, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 201, 211) }
```

Border

The CSS property to change the border of an element to RYB 14, 110, 211 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, 201, 211) }
```

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

```
.border{ border-color:rgb(14, 201, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 201, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 201, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 201, 211);  
box-shadow:4px 4px 4px 4px rgb(14, 201,  
211) }
```

Background

The CSS property to change the background color of an element to RGB 14, 110, 211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 201, 211) }
```

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

```
.background{ background-color: rgb(14, 201,  
211) }
```

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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