

Converting Colors

`RYB(11, 109, 221)`

Have a look what the booklet for
RYB(11, 109, 221) contains.

RYB(11, 109, 221)	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

$\text{RYB}(11, 109, 221)$

Conversions

Conversions Part 1

Format	Color
Hex	0BC3DD
RGB	11, 195, 221
RGB Percent	4%, 76%, 87%
CMY	0.9569, 0.2363, 0.1333
CMYK	0.95, 0.12, 0.00, 0.13
HSL	188°, 91%, 45%
HSV	188°, 95%, 87%
XYZ	32.6483, 44.2099, 75.2192
YIQ	142.9480, -118.0100, -30.9220

Conversions

Conversions Part 2

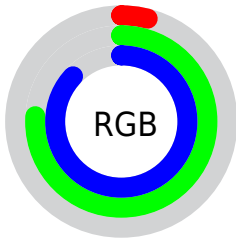
Format	Color
RYB	11, 109, 221
Decimal	771037
CIELab	72.37, -30.73, -24.44
CIELCh	72, 39.265, 218.498
Yxy	44.2099, 0.2147, 0.2907
Android (android.graphics.Color)	4278961117 (0xFF0BC3DD)
YUV	142.9480, 38.4796, -115.7184
Hunter-Lab	66.4905, -28.7110, -20.5301

Details

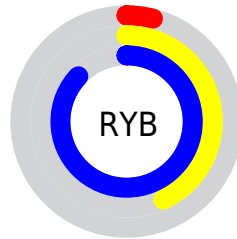
The RYB color **11, 109, 221** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **221, 41, 11**, and the grayscale version is **143, 143, 143**.

A 20% lighter version of the original color is **109, 181, 255**, and **0, 76, 166** is the 20% darker color. If you saturate the color by 10%, you get **0, 103, 221**, and if you desaturate by 10%, it is **33, 121, 221**.

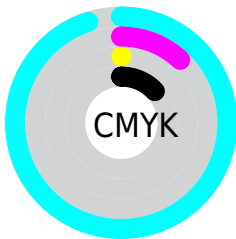
Distribution



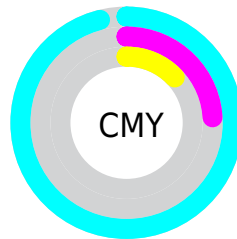
- Red (4%)
- Green (76%)
- Blue (87%)



- Red (4%)
- Yellow (43%)
- Blue (87%)



- Cyan (95%)
- Magenta (12%)
- Yellow (0%)
- Black (13%)




















- Cyan (96%)
- Magenta (24%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RYB color 11, 109, 221 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 11, 109, 221 by changing the saturation by 10% instead.

 11, 109, 221	 11, 109, 221
 255, 255, 255	 0, 90, 193
 109, 181, 255	 0, 76, 166
 143, 199, 255	 0, 63, 139
 175, 215, 255	 0, 50, 114
 206, 231, 255	 0, 38, 89
 237, 246, 255	 0, 26, 66
	 0, 13, 44
	 0, 1, 23
	 0, 0, 0

■ 11, 109, 221

■ 11, 109, 221

■ 0, 103, 221

■ 33, 121, 221

■ 55, 132, 221

■ 77, 144, 221

■ 99, 156, 221

■ 122, 168, 221

■ 144, 180, 221

■ 166, 192, 221

■ 188, 203, 221

■ 210, 215, 221

Harmonies

Analogous

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



55, 129, 197



11, 109, 221



78, 144, 243

Triad

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



11, 109, 221



231, 153, 205



119, 191, 105

Complementary

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



11, 109, 221



221, 41, 11

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.



223, 219, 111



11, 109, 221



247, 149, 168

Square

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



11, 109, 221



195, 164, 234



243, 160, 135



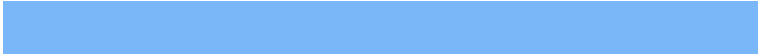
120, 188, 156

Rectangle

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



11, 109, 221



122, 163, 249



243, 160, 135



144, 203, 105

Sweetspot

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



11, 109, 221



181, 216, 255



11, 199, 221



83, 104, 128



0, 0, 0



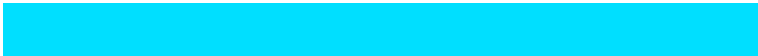
128, 128, 128

Same Dimension

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



11, 109, 221



0, 119, 255



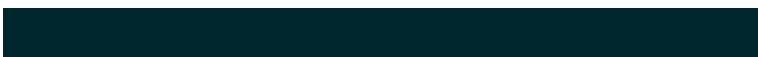
11, 69, 221



99, 104, 110



0, 81, 173



0, 21, 46

Inverse Universe

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



221, 11, 195



255, 0, 223



140, 221, 11



110, 99, 108



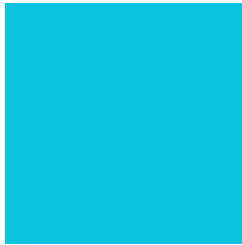
173, 0, 152



46, 0, 40

Previews

White Background



This preview shows how the RYB color 11, 109, 221 looks on a white background.

Color Contrast Check

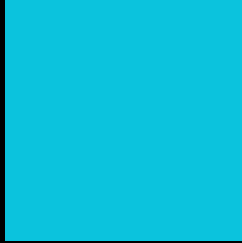
Large Text (above 18pt) WCAG AA × Fail

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 11, 109, 221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

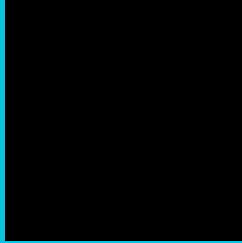
Any Text WCAG AA ✓ Pass

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 11, 109, 221 Background



This preview shows how black text looks on a background with the RYB color 11, 109, 221.

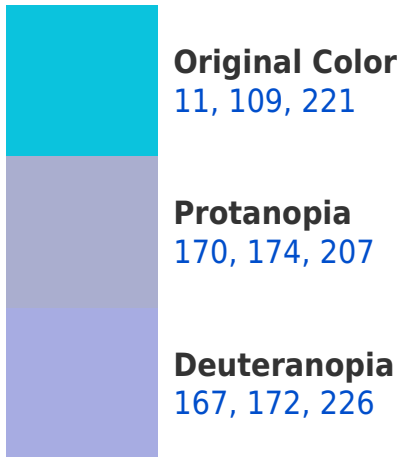


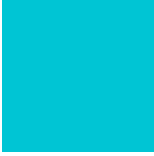
This preview shows how white text looks on a background with the RYB color 11, 109, 221.

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
0, 102, 212

Trichromacy



Original Color

11, 109, 221



Protanomaly

112, 153, 212



Deuteranomaly

110, 154, 224



Tritanomaly

4, 105, 215

Monochromacy



Original Color

11, 109, 221



Achromatopsia

143, 143, 143



Achromatomaly

95, 131, 171

CSS Examples

Text

The CSS property to change the color of the text to RYB 11, 109, 221 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(11, 195, 221)` looks like.

```
.text, #text, p{  
    color:rgb(11, 195, 221)  
}
```

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(11, 195, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 195, 221) }
```

Border

The CSS property to change the border of an element to RYB 11, 109, 221 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(11, 195, 221) }
```

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

```
.border{ border-color:rgb(11, 195, 221) }
```

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

Here you see how a box with a 4 pixel rgb(11, 195, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 195, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 195, 221);  
box-shadow:4px 4px 4px 4px rgb(11, 195,  
221) }
```

Background

The CSS property to change the background color of an element to RGB 11, 109, 221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 195, 221) }
```

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

```
.background{ background-color: rgb(11, 195,  
221) }
```

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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