

Converting Colors

`RYB(0, 109, 220)`

Have a look what the booklet for
RYB(0, 109, 220) contains.

RYB(0, 109, 220)	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

$\text{RYB}(0, 109, 220)$

Conversions

Conversions Part 1

Format	Color
Hex	00D8DC
RGB	0, 216, 220
RGB Percent	0%, 85%, 86%
CMY	1.0000, 0.1528, 0.1373
CMYK	1.00, 0.02, 0.00, 0.14
HSL	181°, 100%, 43%
HSV	181°, 100%, 86%
XYZ	37.4834, 54.2975, 76.2150
YIQ	151.8720, -130.0200, -44.5480

Conversions

Conversions Part 2

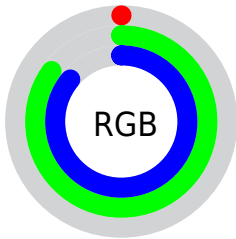
Format	Color
RYB	0, 109, 220
Decimal	55516
CIELab	78.63, -41.24, -14.41
CIELCh	79, 43.690, 199.265
Yxy	54.2975, 0.2231, 0.3232
Android (android.graphics.Color)	4278245596 (0xFF00D8DC)
YUV	151.8720, 33.5871, -133.1917
Hunter-Lab	73.6868, -38.1518, -9.7434

Details

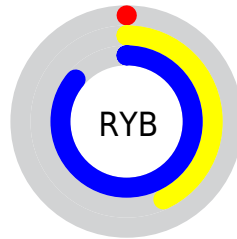
The RYB color **0, 109, 220** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **220, 4, 0**, and the grayscale version is **152, 152, 152**.

A 20% lighter version of the original color is **111, 183, 255**, and **0, 81, 165** is the 20% darker color. If you saturate the color by 10%, you get **0, 109, 220**, and if you desaturate by 10%, it is **22, 120, 220**.

Distribution



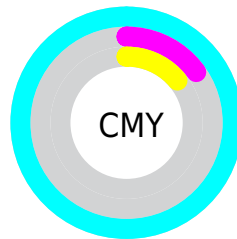
- Red (0%)
- Green (85%)
- Blue (86%)



- Red (0%)
- Yellow (43%)
- Blue (86%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (14%)




















- Cyan (100%)
- Magenta (15%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the RYB color 0, 109, 220 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 0, 109, 220 by changing the saturation by 10% instead.

 0, 109, 220	 0, 109, 220
 255, 255, 255	 0, 95, 192
 111, 183, 255	 0, 81, 165
 145, 200, 255	 0, 68, 139
 177, 216, 255	 0, 55, 113
 209, 232, 255	 0, 43, 89
 241, 248, 255	 0, 31, 66
	 0, 20, 43
	 0, 1, 24
	 0, 0, 0

■ 0, 109, 220

■ 22, 120, 220

■ 44, 131, 220

■ 66, 142, 220

■ 88, 153, 220

■ 110, 164, 220

■ 132, 175, 220

■ 154, 187, 220

■ 176, 198, 220

■ 198, 209, 220

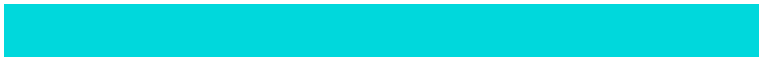
Harmonies

Analogous

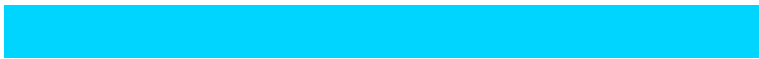
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93, 165, 215



0, 109, 220



0, 116, 255

Triad

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



0, 109, 220



231, 175, 248



191, 234, 114

Complementary

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



0, 109, 220



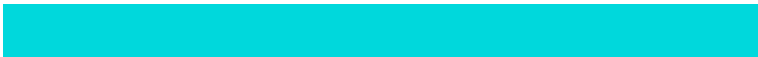
220, 4, 0

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, 191, 135



0, 109, 220



255, 164, 211

Square

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



0, 109, 220



177, 187, 255



255, 164, 170



116, 200, 121

Rectangle

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



0, 109, 220



79, 153, 255



255, 164, 170



245, 245, 119

Sweetspot

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



0, 109, 220



179, 217, 255



0, 216, 220



82, 105, 128



0, 0, 0



128, 128, 128

Same Dimension

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



0, 109, 220



0, 126, 255



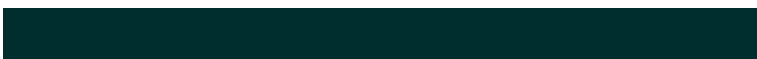
0, 72, 220



99, 104, 110



0, 86, 173



0, 23, 46

Inverse Universe

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



220, 0, 216



255, 0, 250



205, 220, 0



110, 99, 109



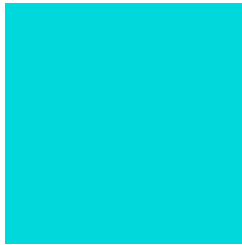
173, 0, 170



46, 0, 45

Previews

White Background



This preview shows how the RYB color 0, 109, 220 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 0, 109, 220 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

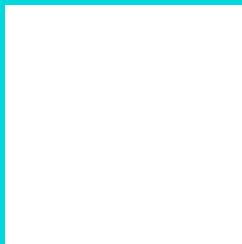
Any Text WCAG AAA ✓ Pass

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

R Y B 0, 109, 220 Background



This preview shows how black text looks on a background with the R Y B color 0, 109, 220.

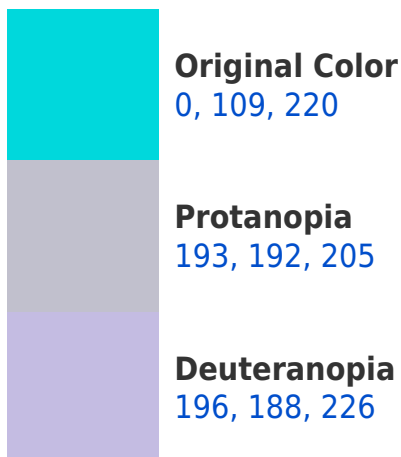


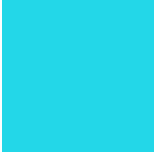
This preview shows how white text looks on a background with the R Y B color 0, 109, 220.

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





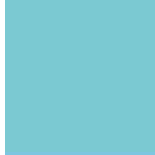
Tritanopia
35, 129, 232

Trichromacy



Original Color

0, 109, 220



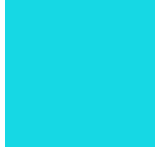
Protanomaly

123, 164, 210



Deuteranomaly

125, 167, 224



Tritanomaly

22, 122, 228

Monochromacy



Original Color

0, 109, 220



Achromatopsia

152, 152, 152



Achromatomaly

97, 136, 177

CSS Examples

Text

The CSS property to change the color of the text to RYB 0, 109, 220 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(0, 216, 220)` looks like.

```
.text, #text, p{  
    color:rgb(0, 216, 220)  
}
```

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(0, 216, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 216, 220) }
```

Border

The CSS property to change the border of an element to RYB 0, 109, 220 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(0, 216, 220) }
```

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

```
.border{ border-color:rgb(0, 216, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 216, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 216, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 216, 220);  
box-shadow:4px 4px 4px 4px rgb(0, 216,  
220) }
```

Background

The CSS property to change the background color of an element to RYB 0, 109, 220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 216, 220) }
```

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

```
.background{ background-color: rgb(0, 216,  
220) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor