

Converting Colors

`RYB(3, 111, 218)`

Have a look what the booklet for
RYB(3, 111, 218) contains.

RYB(3, 111, 218)	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

RYB(3, 111, 218)

Conversions

Conversions Part 1

Format	Color
Hex	03DAD8
RGB	3, 218, 216
RGB Percent	1%, 85%, 85%
CMY	0.9882, 0.1451, 0.1529
CMYK	0.99, 0.00, 0.01, 0.15
HSL	179°, 97%, 43%
HSV	179°, 99%, 85%
XYZ	37.5048, 55.1205, 73.6346
YIQ	153.4870, -127.4980, -46.2020

Conversions

Conversions Part 2

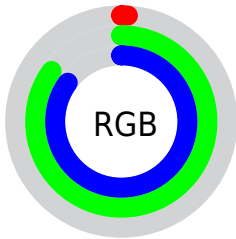
Format	Color
RYB	3, 111, 218
Decimal	252632
CIELab	79.11, -43.22, -11.57
CIELCh	79, 44.745, 194.982
Yxy	55.1205, 0.2256, 0.3315
Android (android.graphics.Color)	4278442712 (0xFF03DAD8)
YUV	153.4870, 30.8189, -131.9771
Hunter-Lab	74.2432, -39.7542, -6.8338

Details

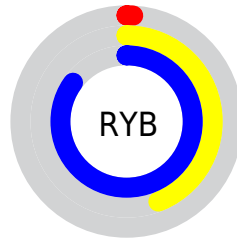
The RYB color **3, 111, 218** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **218, 3, 5**, and the grayscale version is **153, 153, 153**.

A 20% lighter version of the original color is **111, 183, 255**, and **0, 81, 162** is the 20% darker color. If you saturate the color by 10%, you get **0, 110, 218**, and if you desaturate by 10%, it is **25, 122, 218**.

Distribution



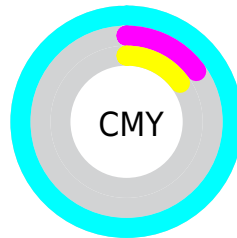
- Red (1%)
- Green (85%)
- Blue (85%)



- Red (1%)
- Yellow (44%)
- Blue (85%)



- Cyan (99%)
- Magenta (0%)
- Yellow (1%)
- Black (15%)




















- Cyan (99%)
- Magenta (15%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 3, 111, 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 3, 111, 218 by changing the saturation by 10% instead.

 3, 111, 218	 3, 111, 218
 255, 255, 255	 0, 96, 190
 111, 183, 255	 0, 81, 162
 145, 200, 255	 0, 68, 135
 177, 216, 255	 0, 55, 110
 209, 232, 255	 0, 42, 86
 241, 248, 255	 0, 30, 62
	 0, 20, 40
	 0, 1, 21
	 0, 0, 0

■ 3, 111, 218

■ 3, 111, 218

■ 0, 110, 218

■ 25, 122, 218

■ 47, 133, 218

■ 68, 143, 218

■ 90, 154, 218

■ 112, 165, 218

■ 134, 176, 218

■ 156, 187, 218

■ 177, 198, 218

■ 199, 209, 218

Harmonies

Analogous

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



100, 172, 217



3, 111, 218



0, 116, 254

Triad

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



3, 111, 218



227, 177, 255



213, 241, 115

Complementary

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



3, 111, 218



218, 3, 5

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, 185, 139



3, 111, 218



255, 166, 219

Square

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



3, 111, 218



169, 188, 255



255, 163, 176



116, 202, 114

Rectangle

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



3, 111, 218



60, 145, 255



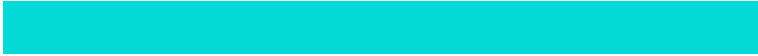
255, 163, 176



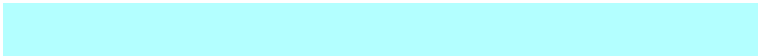
251, 232, 121

Sweetspot

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



3, 111, 218



179, 217, 255



3, 218, 214



82, 105, 128



0, 0, 0



128, 128, 128

Same Dimension

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



3, 111, 218



0, 128, 255



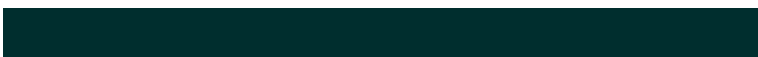
3, 76, 218



99, 105, 110



0, 87, 173



0, 23, 46

Inverse Universe

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



218, 3, 5



255, 0, 2



218, 204, 3



110, 99, 99



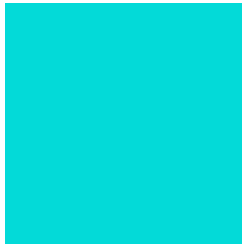
173, 0, 2



46, 0, 0

Previews

White Background



This preview shows how the RYB color 3, 111, 218 looks on a white background.

Color Contrast Check

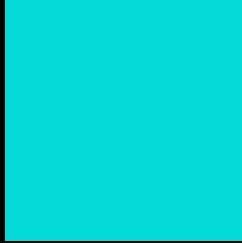
Large Text (above 18pt) WCAG AA × Fail

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 3, 111, 218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

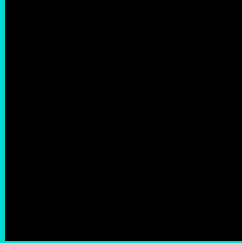
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

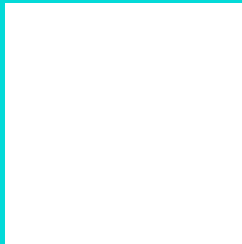
Any Text WCAG AAA ✓ Pass

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

RYB 3, 111, 218 Background



This preview shows how black text looks on a background with the RYB color 3, 111, 218.

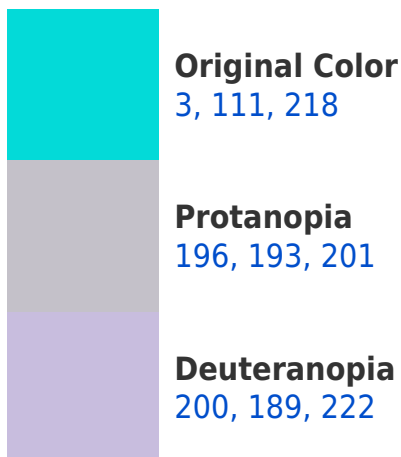


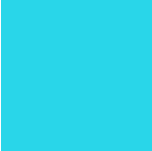
This preview shows how white text looks on a background with the RYB color 3, 111, 218.

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](#).

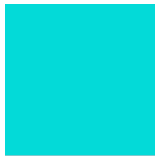
Dichromacy





Tritanopia
41, 132, 233

Trichromacy



Original Color

3, 111, 218



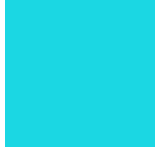
Protanomaly

126, 165, 206



Deuteranomaly

128, 168, 220



Tritanomaly

27, 124, 227

Monochromacy



Original Color

3, 111, 218



Achromatopsia

153, 153, 153



Achromatomaly

98, 138, 177

CSS Examples

Text

The CSS property to change the color of the text to RYB 3, 111, 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(3, 218, 216)` looks like.

```
.text, #text, p{  
    color:rgb(3, 218, 216)  
}
```

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(3, 218, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 218, 216) }
```

Border

The CSS property to change the border of an element to RYB 3, 111, 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(3, 218, 216) }
```

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

```
.border{ border-color:rgb(3, 218, 216) }
```

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

Here you see how a box with a 4 pixel rgb(3, 218, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 218, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 218, 216);  
box-shadow:4px 4px 4px 4px rgb(3, 218,  
216) }
```

Background

The CSS property to change the background color of an element to RGB 3, 111, 218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 218, 216) }
```

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

```
.background{ background-color: rgb(3, 218,  
216) }
```

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