

Converting Colors

`RYB(0, 111, 222)`

Have a look what the booklet for
RYB(0, 111, 222) contains.

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Color

RYB(0, 111, 222)

Conversions

Conversions Part 1

Format	Color
Hex	00DEDE
RGB	0, 222, 222
RGB Percent	0%, 87%, 87%
CMY	1.0000, 0.1294, 0.1294
CMYK	1.00, 0.00, 0.00, 0.13
HSL	180°, 100%, 44%
HSV	180°, 100%, 87%
XYZ	39.3061, 57.5165, 78.1374
YIQ	155.6220, -132.3120, -47.0640

Conversions

Conversions Part 2

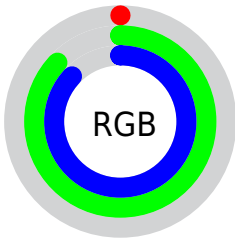
Format	Color
RYB	0, 111, 222
Decimal	57054
CIELab	80.47, -43.30, -12.73
CIELCh	80, 45.134, 196.386
Yxy	57.5165, 0.2247, 0.3287
Android (android.graphics.Color)	4278247134 (0xFF00DEDE)
YUV	155.6220, 32.7244, -136.4805
Hunter-Lab	75.8396, -40.2065, -7.9986

Details

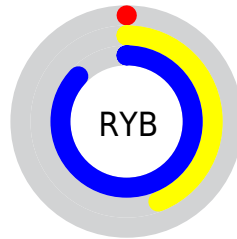
The RYB color **0, 111, 222** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **222, 0, 0**, and the grayscale version is **155, 155, 155**.

A 20% lighter version of the original color is **112, 184, 255**, and **0, 83, 167** is the 20% darker color. If you saturate the color by 10%, you get **0, 111, 222**, and if you desaturate by 10%, it is **22, 122, 222**.

Distribution



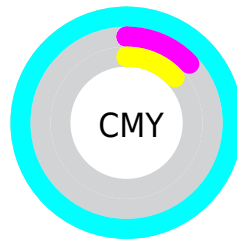
- Red (0%)
- Green (87%)
- Blue (87%)



- Red (0%)
- Yellow (44%)
- Blue (87%)



- Cyan (100%)
- Magenta (0%)
- Yellow (0%)
- Black (13%)




















- Cyan (100%)
- Magenta (13%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the RYB color 0, 111, 222 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, 111, 222 by changing the saturation by 10% instead.


 0, 111, 222	 0, 111, 222
 255, 255, 255	 0, 97, 194
 112, 184, 255	 0, 83, 167
 146, 201, 255	 0, 70, 141
 179, 217, 255	 0, 57, 115
 211, 233, 255	 0, 45, 91
 242, 249, 255	 0, 32, 67
	 0, 22, 45
	 0, 4, 25
	 0, 0, 0


 0, 111, 222

 22, 122, 222


 44, 133, 222

 67, 145, 222

 89, 156, 222

 111, 167, 222

 133, 178, 222

 155, 189, 222

 178, 200, 222

 200, 211, 222

Harmonies

Analogous

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



100, 174, 221



0, 111, 222



0, 118, 255

Triad

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



0, 111, 222



233, 180, 255



213, 244, 118

Complementary

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



0, 111, 222



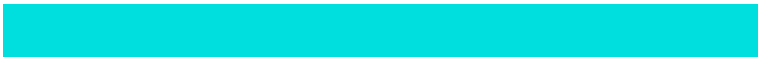
222, 0, 0

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, 192, 140



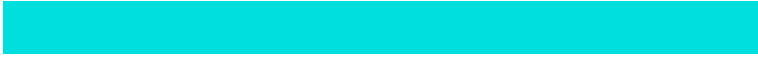
0, 111, 222



255, 169, 221

Square

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



0, 111, 222



175, 192, 255



255, 167, 178



117, 204, 117

Rectangle

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



0, 111, 222



68, 150, 255



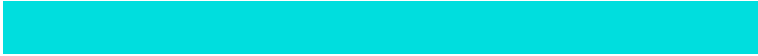
255, 167, 178



255, 244, 123

Sweetspot

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



0, 111, 222



179, 217, 255



0, 222, 222



82, 105, 128



0, 0, 0



128, 128, 128

Same Dimension

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



0, 111, 222



0, 128, 255



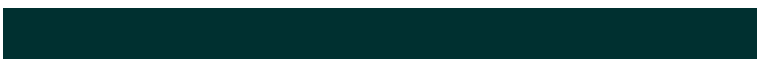
0, 74, 222



101, 107, 112



0, 88, 176



0, 24, 48

Inverse Universe

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



222, 0, 222



255, 0, 255



222, 222, 0



112, 101, 112



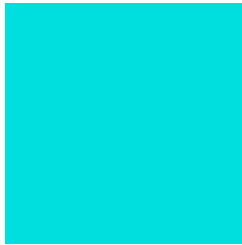
176, 0, 176



48, 0, 48

Previews

White Background



This preview shows how the RYB color 0, 111, 222 looks on a white background.

Color Contrast Check

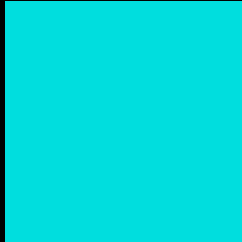
Large Text (above 18pt) WCAG AA × Fail

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, 111, 222 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

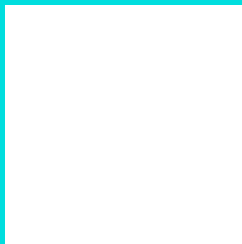
Any Text WCAG AAA ✓ Pass

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

RYB 0, 111, 222 Background



This preview shows how black text looks on a background with the RYB color 0, 111, 222.

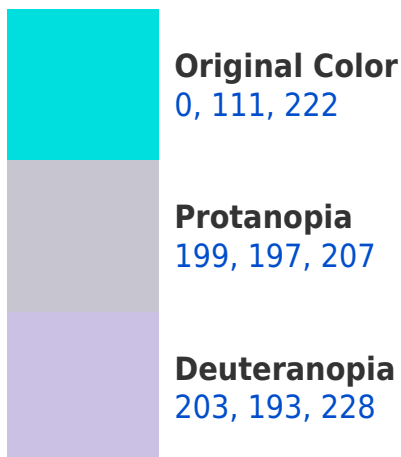


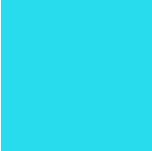
This preview shows how white text looks on a background with the RYB color 0, 111, 222.

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
40, 134, 237

Trichromacy



Original Color

0, 111, 222



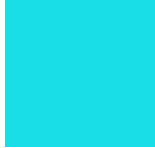
Protanomaly

127, 168, 212



Deuteranomaly

129, 171, 226



Tritanomaly

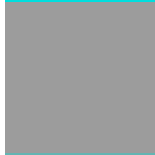
25, 126, 232

Monochromacy



Original Color

0, 111, 222



Achromatopsia

156, 156, 156



Achromatomaly

99, 140, 180

CSS Examples

Text

The CSS property to change the color of the text to RYB 0, 111, 222 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, 222, 222)` looks like.

```
.text, #text, p{  
    color:rgb(0, 222, 222)  
}
```

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, 222, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 222, 222) }
```

Border

The CSS property to change the border of an element to RYB 0, 111, 222 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, 222, 222) }
```

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

```
.border{ border-color:rgb(0, 222, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 222, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 222, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 222, 222);  
box-shadow:4px 4px 4px 4px rgb(0, 222,  
222) }
```

Background

The CSS property to change the background color of an element to RYB 0, 111, 222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 222, 222) }
```

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

```
.background{ background-color: rgb(0, 222,  
222) }
```

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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