

Converting Colors

`RYB(0, 102, 182)`

Have a look what the booklet for
RYB(0, 102, 182) contains.

RYB(0, 102, 182)	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

$\text{RYB}(0, 102, 182)$

Conversions

Conversions Part 1

Format	Color
Hex	00B68F
RGB	0, 182, 143
RGB Percent	0%, 71%, 56%
CMY	1.0000, 0.2863, 0.4402
CMYK	1.00, 0.00, 0.22, 0.29
HSL	167°, 100%, 36%
HSV	167°, 100%, 71%
XYZ	21.6666, 35.4313, 31.5825
YIQ	123.1360, -95.9530, -50.7130

Conversions

Conversions Part 2

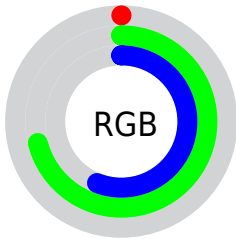
Format	Color
RYB	0, 102, 182
Decimal	46735
CIELab	66.08, -48.37, 9.13
CIELCh	66, 49.225, 169.309
Yxy	35.4313, 0.2443, 0.3995
Android (android.graphics.Color)	4278236815 (0xFF00B68F)
YUV	123.1360, 9.7930, -107.9903
Hunter-Lab	59.5242, -39.1941, 10.2088

Details

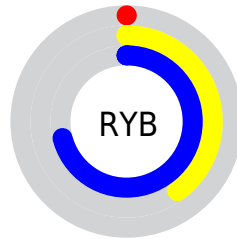
The RYB color **0, 102, 182** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **182, 0, 39**, and the grayscale version is **123, 123, 123**.

A 20% lighter version of the original color is **96, 180, 239**, and **0, 74, 128** is the 20% darker color. If you saturate the color by 10%, you get **0, 102, 182**, and if you desaturate by 10%, it is **18, 110, 182**.

Distribution



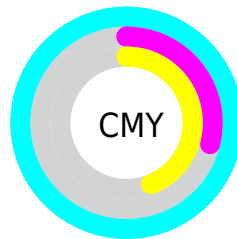
- Red (0%)
- Green (71%)
- Blue (56%)



- Red (0%)
- Yellow (40%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (22%)
- Black (29%)



















- Cyan (100%)
- Magenta (29%)
- Yellow (44%)


Brightness & Saturation Gradients

These gradients show how the RYB color 0, 102, 182 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, 102, 182 by changing the saturation by 10% instead.

 0, 102, 182	 0, 102, 182
 255, 255, 255	 0, 88, 155
 96, 180, 239	 0, 74, 128
 128, 200, 255	 0, 61, 102
 158, 207, 255	 0, 48, 77
 188, 222, 255	 0, 36, 53
 219, 237, 255	 0, 30, 30
 249, 252, 255	 0, 0, 0

 0, 102, 182

 18, 110, 182

■ 36, 118, 182

■ 55, 126, 182

■ 73, 134, 182

■ 91, 142, 182

■ 109, 150, 182

■ 127, 158, 182

■ 146, 166, 182

■ 164, 174, 182

Harmonies

Analogous

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



101, 177, 171



0, 102, 182



0, 93, 188

Triad

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



0, 102, 182



138, 153, 244



230, 154, 95

Complementary

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



0, 102, 182



182, 0, 39

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.



244, 124, 134



0, 102, 182



200, 138, 219

Square

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



0, 102, 182



0, 101, 247



234, 125, 178



146, 200, 72

Rectangle

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



0, 102, 182



0, 98, 215



234, 125, 178



237, 136, 107

Sweetspot

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



0, 102, 182



166, 206, 237



0, 182, 143



77, 101, 120



247, 247, 247



120, 120, 120

Same Dimension

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



0, 102, 182



0, 133, 237



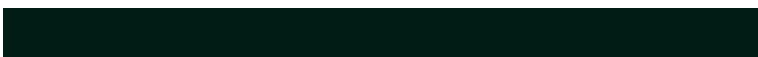
0, 76, 182



83, 88, 92



0, 88, 156



0, 16, 28

Inverse Universe

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



182, 0, 39



237, 0, 51



182, 73, 0



92, 83, 85



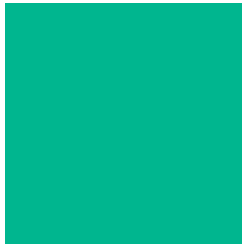
156, 0, 34



28, 0, 6

Previews

White Background



This preview shows how the RYB color 0, 102, 182 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, 102, 182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

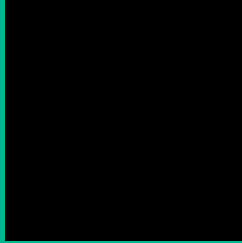
Any Text WCAG AA ✓ Pass

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, 102, 182 Background



This preview shows how black text looks on a background with the RYB color 0, 102, 182.

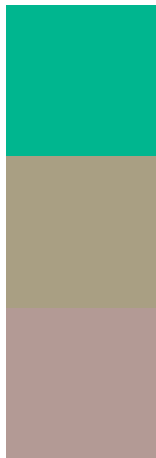


This preview shows how white text looks on a background with the RYB color 0, 102, 182.

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



Original Color
0, 102, 182

Protanopia
145, 169, 131

Deuteranopia
179, 155, 149



Tritanopia
56, 119, 190

Trichromacy



Original Color

0, 102, 182



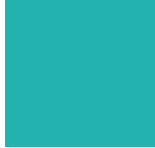
Protanomaly

108, 148, 167



Deuteranomaly

114, 144, 164



Tritanomaly

36, 108, 178

Monochromacy



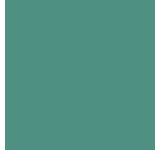
Original Color

0, 102, 182



Achromatopsia

123, 123, 123



Achromatomaly

78, 115, 144

CSS Examples

Text

The CSS property to change the color of the text to RYB 0, 102, 182 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, 182, 143)` looks like.

```
.text, #text, p{  
    color:rgb(0, 182, 143)  
}
```

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, 182, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 182, 143) }
```

Border

The CSS property to change the border of an element to RYB 0, 102, 182 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, 182, 143) }
```

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

```
.border{ border-color:rgb(0, 182, 143) }
```

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

Here you see how a box with a 4 pixel rgb(0, 182, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 182, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 182, 143);  
box-shadow:4px 4px 4px 4px rgb(0, 182,  
143) }
```

Background

The CSS property to change the background color of an element to RYB 0, 102, 182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 182, 143) }
```

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

```
.background{ background-color: rgb(0, 182,  
143) }
```

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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