

Converting Colors

`RYB(0, 104, 185)`

Have a look what the booklet for
RYB(0, 104, 185) contains.

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Color

RYB(0, 104, 185)

Conversions

Conversions Part 1

Format	Color
Hex	00B990
RGB	0, 185, 144
RGB Percent	0%, 73%, 56%
CMY	1.0000, 0.2745, 0.4350
CMYK	1.00, 0.00, 0.22, 0.27
HSL	167°, 100%, 36%
HSV	167°, 100%, 73%
XYZ	22.3896, 36.7142, 32.3267
YIQ	125.0110, -97.0990, -51.9710

Conversions

Conversions Part 2

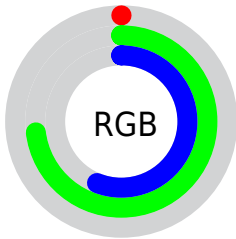
Format	Color
RYB	0, 104, 185
Decimal	47504
CIELab	67.06, -49.23, 9.79
CIELCh	67, 50.193, 168.755
Yxy	36.7142, 0.2449, 0.4016
Android (android.graphics.Color)	4278237584 (0xFF00B990)
YUV	125.0110, 9.3616, -109.6346
Hunter-Lab	60.5922, -40.0783, 10.7826

Details

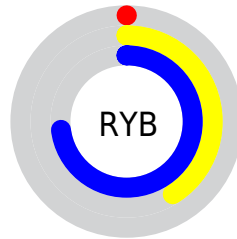
The RYB color **0, 104, 185** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **185, 0, 41**, and the grayscale version is **125, 125, 125**.

A 20% lighter version of the original color is **97, 182, 242**, and **0, 76, 131** is the 20% darker color. If you saturate the color by 10%, you get **0, 104, 185**, and if you desaturate by 10%, it is **18, 112, 185**.

Distribution



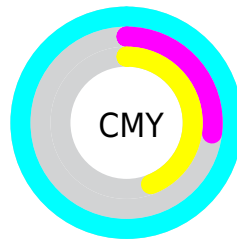
- Red (0%)
- Green (73%)
- Blue (56%)



- Red (0%)
- Yellow (41%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (22%)
- Black (27%)



- Cyan (100%)
- Magenta (27%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the RYB color 0, 104, 185 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, 104, 185 by changing the saturation by 10% instead.



0, 104, 185



0, 104, 185

255, 255, 255



0, 90, 157



97, 182, 242



0, 76, 131



129, 200, 255



0, 63, 105



159, 207, 255



0, 49, 79



190, 223, 255



0, 37, 55



220, 238, 255



0, 31, 32



251, 253, 255



0, 0, 0



0, 104, 185



18, 112, 185

■ 37, 120, 185

■ 56, 129, 185

■ 74, 137, 185

■ 93, 145, 185

■ 111, 152, 185

■ 130, 161, 185

■ 148, 169, 185

■ 167, 177, 185

Harmonies

Analogous

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



101, 180, 171



0, 104, 185



0, 94, 191

Triad

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



0, 104, 185



138, 155, 249



235, 155, 97

Complementary

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



0, 104, 185



185, 0, 41

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.



248, 126, 137



0, 104, 185



202, 140, 223

Square

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



0, 104, 185



0, 102, 251



238, 127, 182



150, 204, 72

Rectangle

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



0, 104, 185



0, 100, 219



238, 127, 182



242, 138, 109

Sweetspot

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



0, 104, 185



168, 209, 240



0, 185, 142



77, 101, 120



247, 247, 247



120, 120, 120

Same Dimension

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



0, 104, 185



0, 135, 240



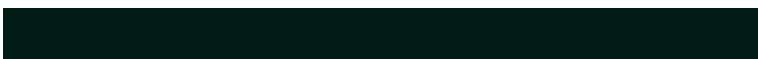
0, 78, 185



83, 88, 92



0, 88, 156



0, 16, 28

Inverse Universe

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



185, 0, 41



240, 0, 53



185, 67, 0



92, 83, 85



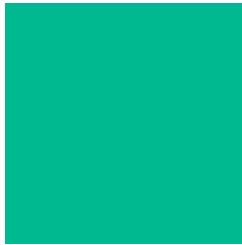
156, 0, 34



28, 0, 6

Previews

White Background



This preview shows how the RYB color 0, 104, 185 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, 104, 185 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, 104, 185 Background



This preview shows how black text looks on a background with the RYB color 0, 104, 185.

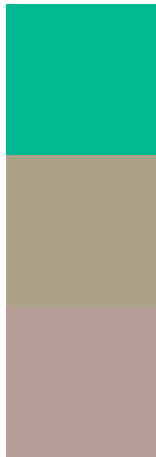


This preview shows how white text looks on a background with the RYB color 0, 104, 185.

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, 104, 185

Protanopia
146, 172, 133

Deuteranopia
182, 157, 150



Tritanopia
57, 121, 193

Trichromacy



Original Color

0, 104, 185



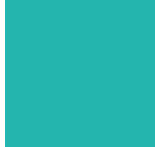
Protanomaly

109, 151, 170



Deuteranomaly

116, 147, 167



Tritanomaly

36, 110, 181

Monochromacy



Original Color

0, 104, 185



Achromatopsia

125, 125, 125



Achromatomaly

80, 118, 147

CSS Examples

Text

The CSS property to change the color of the text to RYB 0, 104, 185 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, 185, 144)` looks like.

```
.text, #text, p{  
    color:rgb(0, 185, 144)  
}
```

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, 185, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 185, 144) }
```

Border

The CSS property to change the border of an element to RYB 0, 104, 185 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, 185, 144) }
```

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

```
.border{ border-color:rgb(0, 185, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 185, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 185, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 185, 144);  
box-shadow:4px 4px 4px 4px rgb(0, 185,  
144) }
```

Background

The CSS property to change the background color of an element to RYB 0, 104, 185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 185, 144) }
```

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

```
.background{ background-color: rgb(0, 185,  
144) }
```

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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