

Converting Colors

`RYB(0, 104, 180)`

Have a look what the booklet for
RYB(0, 104, 180) contains.

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Color

$\text{RYB}(0, 104, 180)$

Conversions

Conversions Part 1

Format	Color
Hex	00B484
RGB	0, 180, 132
RGB Percent	0%, 71%, 52%
CMY	1.0000, 0.2941, 0.4842
CMYK	1.00, 0.00, 0.27, 0.29
HSL	164°, 100%, 35%
HSV	164°, 100%, 71%
XYZ	20.4546, 34.2959, 27.2063
YIQ	120.7080, -91.8720, -53.0880

Conversions

Conversions Part 2

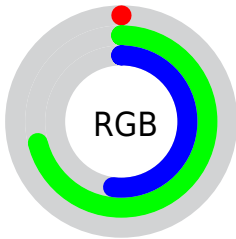
Format	Color
RYB	0, 104, 180
Decimal	46212
CIELab	65.20, -50.35, 14.02
CIELCh	65, 52.271, 164.437
Yxy	34.2959, 0.2496, 0.4185
Android (android.graphics.Color)	4278236292 (0xFF00B484)
YUV	120.7080, 5.5670, -105.8609
Hunter-Lab	58.5627, -40.1387, 13.4497

Details

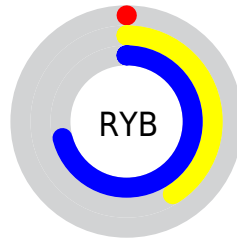
The RYB color **0, 104, 180** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **180, 0, 48**, and the grayscale version is **121, 121, 121**.

A 20% lighter version of the original color is **95, 182, 237**, and **0, 76, 126** is the 20% darker color. If you saturate the color by 10%, you get **0, 104, 180**, and if you desaturate by 10%, it is **18, 112, 180**.

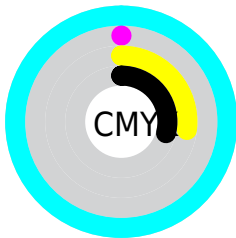
Distribution



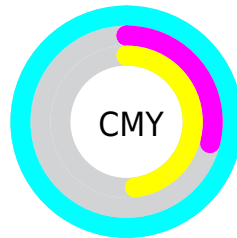
- Red (0%)
- Green (71%)
- Blue (52%)



- Red (0%)
- Yellow (41%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (27%)
- Black (29%)



- Cyan (100%)
- Magenta (29%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the RYB color 0, 104, 180 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, 180 by changing the saturation by 10% instead.

 0, 104, 180

 0, 104, 180

255, 255, 255

 0, 90, 153

 95, 182, 237

 0, 76, 126

 126, 203, 255

 0, 63, 100

 157, 210, 255

 0, 50, 75

 187, 221, 255

 0, 39, 51


 217, 236, 255

 0, 27, 27

 248, 252, 255

 0, 0, 0

 0, 104, 180

 18, 112, 180

■ 36, 119, 180

■ 54, 127, 180

■ 72, 134, 180

■ 90, 142, 180

■ 108, 149, 180

■ 126, 157, 180

■ 144, 165, 180

■ 162, 172, 180

Harmonies

Analogous

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



89, 174, 152



0, 104, 180



0, 92, 182

Triad

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



0, 104, 180



118, 147, 249



235, 142, 95

Complementary

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



0, 104, 180



180, 0, 48

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.



246, 118, 137



0, 104, 180



191, 137, 225

Square

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



0, 104, 180



0, 101, 248



232, 121, 185



166, 205, 66

Rectangle

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



0, 104, 180



0, 97, 210



232, 121, 185



241, 127, 108

Sweetspot

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



0, 104, 180



164, 205, 235



0, 180, 129



75, 99, 117



245, 245, 245



117, 117, 117

Same Dimension

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



0, 104, 180



0, 136, 235



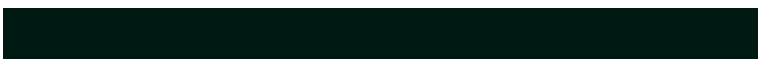
0, 79, 180



80, 85, 89



0, 88, 153



0, 15, 26

Inverse Universe

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



180, 0, 48



235, 0, 63



180, 50, 0



89, 80, 83



153, 0, 41



26, 0, 7

Previews

White Background



This preview shows how the RYB color 0, 104, 180 looks on a white background.

Color Contrast Check

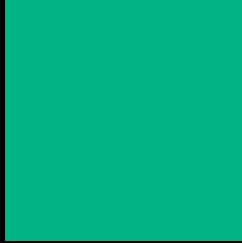
Large Text (above 18pt) WCAG AA × Fail

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, 180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

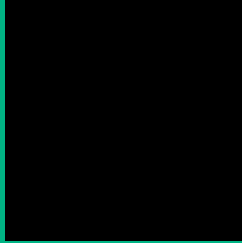
Any Text WCAG AA ✓ Pass

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, 180 Background



This preview shows how black text looks on a background with the RYB color 0, 104, 180.

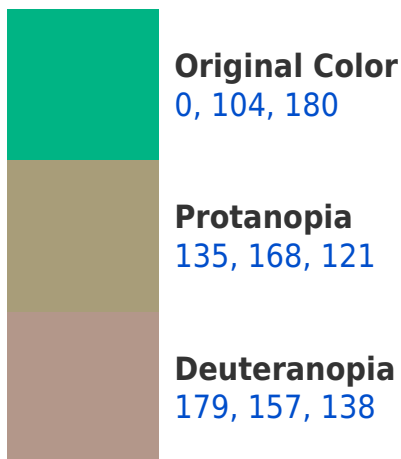


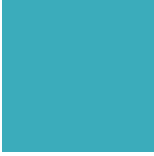
This preview shows how white text looks on a background with the RYB color 0, 104, 180.

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
59, 119, 187

Trichromacy



Original Color

0, 104, 180



Protanomaly

107, 151, 165



Deuteranomaly

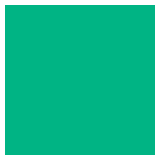
114, 147, 162



Tritanomaly

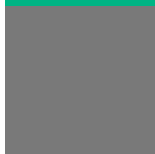
38, 109, 176

Monochromacy



Original Color

0, 104, 180



Achromatopsia

121, 121, 121



Achromatomaly

77, 114, 142

CSS Examples

Text

The CSS property to change the color of the text to RYB 0, 104, 180 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, 180, 132)` looks like.

```
.text, #text, p{  
    color:rgb(0, 180, 132)  
}
```

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, 180, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 180, 132) }
```

Border

The CSS property to change the border of an element to RYB 0, 104, 180 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, 180, 132) }
```

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

```
.border{ border-color:rgb(0, 180, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 180, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 180, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 180, 132);  
box-shadow:4px 4px 4px 4px rgb(0, 180,  
132) }
```

Background

The CSS property to change the background color of an element to RYB 0, 104, 180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 180, 132) }
```

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

```
.background{ background-color: rgb(0, 180,  
132) }
```

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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