

Converting Colors

`RYB(27, 97, 168)`

Have a look what the booklet for
RYB(27, 97, 168) contains.

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Color

RYB(27, 97, 168)

Conversions

Conversions Part 1

Format	Color
Hex	1BA6A8
RGB	27, 166, 168
RGB Percent	11%, 65%, 66%
CMY	0.8941, 0.3490, 0.3412
CMYK	0.84, 0.01, 0.00, 0.34
HSL	181°, 72%, 38%
HSV	181°, 84%, 66%
XYZ	21.1587, 30.3377, 41.7864
YIQ	124.6670, -83.4860, -28.8460

Conversions

Conversions Part 2

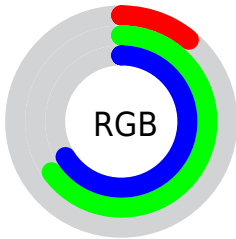
Format	Color
RYB	27, 97, 168
Decimal	1812136
CIELab	61.94, -32.94, -10.95
CIElCh	62, 34.711, 198.396
Yxy	30.3377, 0.2268, 0.3252
Android (android.graphics.Color)	4280002216 (0xFF1BA6A8)
YUV	124.6670, 21.3632, -85.6540
Hunter-Lab	55.0797, -27.8194, -6.4248




Details

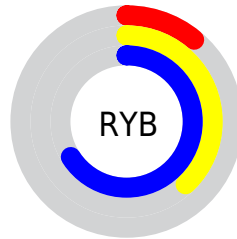
The RYB color **27, 97, 168** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **168, 29, 27**, and the grayscale version is **125, 125, 125**.




A 20% lighter version of the original color is **102, 162, 223**, and **0, 57, 116** is the 20% darker color. If you saturate the color by 10%, you get **10, 88, 168**, and if you desaturate by 10%, it is **44, 105, 168**.

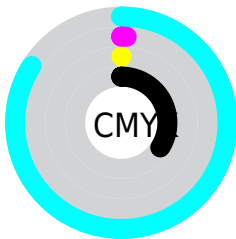
Distribution







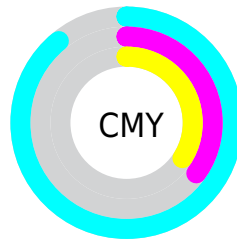
-  Red (11%)
-  Green (65%)
-  Blue (66%)






-  Red (11%)
-  Yellow (38%)
-  Blue (66%)



-  Cyan (84%)
-  Magenta (1%)
-  Yellow (0%)
-  Black (34%)


















-  Cyan (89%)
-  Magenta (35%)
-  Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the RYB color 27, 97, 168 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 27, 97, 168 by changing the saturation by 10% instead.

 27, 97, 168	 27, 97, 168
255, 255, 255	 0, 70, 142
 102, 162, 223	 0, 57, 116
 133, 192, 252	 0, 45, 92
 163, 209, 255	 0, 33, 68
 193, 224, 255	 0, 22, 46
 223, 239, 255	 0, 9, 26
253, 254, 255	 0, 0, 0

 27, 97, 168	 27, 97, 168
 10, 88, 168	 44, 105, 168

■ 0, 83, 168

■ 61, 114, 168

■ 77, 122, 168

■ 94, 131, 168

■ 111, 139, 168

■ 128, 148, 168

■ 145, 157, 168

■ 161, 165, 168

■ 178, 168, 168

Harmonies

Analogous

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



76, 129, 165



27, 97, 168



24, 101, 195

Triad

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



27, 97, 168



177, 135, 191



149, 180, 89

Complementary

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



27, 97, 168



168, 29, 27

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.



202, 144, 105



27, 97, 168



202, 127, 163

Square

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



27, 97, 168



136, 145, 208



210, 126, 132



90, 154, 93

Rectangle

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



27, 97, 168



64, 121, 206



210, 126, 132



189, 185, 93

Sweetspot

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



27, 97, 168



164, 192, 219



27, 168, 168



77, 93, 110



237, 237, 237



110, 110, 110

Same Dimension

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



27, 97, 168



0, 109, 219



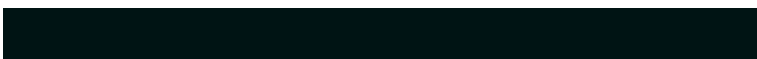
27, 74, 168



76, 80, 84



0, 73, 148



0, 10, 20

Inverse Universe

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



168, 27, 166



219, 0, 216



168, 166, 27



84, 76, 84



148, 0, 146



20, 0, 20

Previews

White Background



This preview shows how the RYB color 27, 97, 168 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 27, 97, 168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

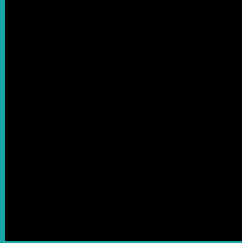
Any Text WCAG AA ✓ Pass

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 27, 97, 168 Background



This preview shows how black text looks on a background with the RYB color 27, 97, 168.

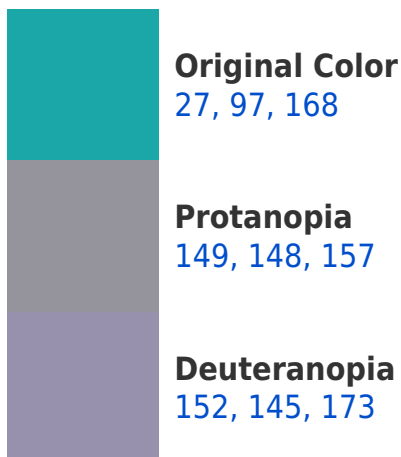


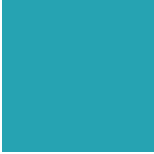
This preview shows how white text looks on a background with the RYB color 27, 97, 168.

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





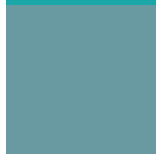
Tritanopia
38, 104, 178

Trichromacy



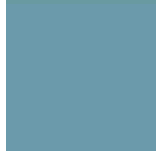
Original Color

27, 97, 168



Protanomaly

105, 131, 161



Deuteranomaly

107, 134, 171



Tritanomaly

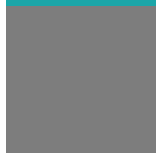
34, 102, 174

Monochromacy



Original Color

27, 97, 168



Achromatopsia

125, 125, 125



Achromatomaly

89, 115, 141

CSS Examples

Text

The CSS property to change the color of the text to RYB 27, 97, 168 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(27, 166, 168)` looks like.

```
.text, #text, p{  
    color:rgb(27, 166, 168)  
}
```

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(27, 166, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 166, 168) }
```

Border

The CSS property to change the border of an element to RYB 27, 97, 168 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(27, 166, 168) }
```

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

```
.border{ border-color:rgb(27, 166, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 166, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 166, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 166, 168);  
box-shadow:4px 4px 4px 4px rgb(27, 166,  
168) }
```

Background

The CSS property to change the background color of an element to RGB 27, 97, 168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 166, 168) }
```

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

```
.background{ background-color: rgb(27, 166,  
168) }
```

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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