

Converting Colors

`RYB(8, 96, 159)`

Have a look what the booklet for
RYB(8, 96, 159) contains.

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Color

`RYB(8, 96, 159)`

Conversions

Conversions Part 1

Format	Color
Hex	089F74
RGB	8, 159, 116
RGB Percent	3%, 62%, 45%
CMY	0.9686, 0.3765, 0.5447
CMYK	0.95, 0.00, 0.27, 0.38
HSL	163°, 90%, 33%
HSV	163°, 95%, 62%
XYZ	15.6566, 26.1112, 20.7690
YIQ	108.9490, -76.1930, -45.3850

Conversions

Conversions Part 2

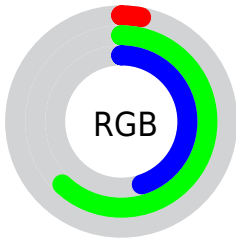
Format	Color
RYB	8, 96, 159
Decimal	565108
CIELab	58.14, -45.49, 12.70
CIELCh	58, 47.232, 164.398
Yxy	26.1112, 0.2504, 0.4175
Android (android.graphics.Color)	4278755188 (0xFF089F74)
YUV	108.9490, 3.4761, -88.5323
Hunter-Lab	51.0992, -34.7317, 11.6713

Details

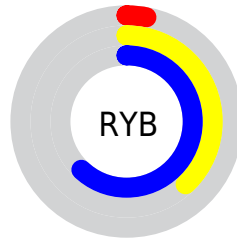
The RYB color **8, 96, 159** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **159, 8, 51**, and the grayscale version is **109, 109, 109**.

A 20% lighter version of the original color is **91, 167, 215**, and **0, 65, 106** is the 20% darker color. If you saturate the color by 10%, you get **0, 93, 159**, and if you desaturate by 10%, it is **24, 103, 159**.

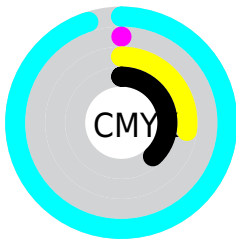
Distribution



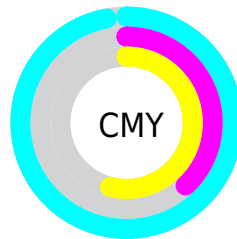
- Red (3%)
- Green (62%)
- Blue (45%)



- Red (3%)
- Yellow (38%)
- Blue (62%)



- Cyan (95%)
- Magenta (0%)
- Yellow (27%)
- Black (38%)



- Cyan (97%)
- Magenta (38%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the RYB color 8, 96, 159 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 8, 96, 159 by changing the saturation by 10% instead.



8, 96, 159



8, 96, 159

255, 255, 255



0, 78, 132



91, 167, 215



0, 65, 106



121, 197, 243



0, 52, 81



150, 212, 255



0, 40, 57



180, 218, 255



0, 35, 35



209, 232, 255



0, 0, 0



239, 247, 255



8, 96, 159



8, 96, 159



0, 93, 159



24, 103, 159

■ 40, 109, 159

■ 56, 116, 159

■ 72, 123, 159

■ 88, 129, 159

■ 103, 136, 159

■ 119, 142, 159

■ 135, 149, 159

■ 151, 156, 159

Harmonies

Analogous

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



78, 154, 134



8, 96, 159



0, 80, 160

Triad

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



8, 96, 159



105, 130, 220



208, 124, 84

Complementary

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



8, 96, 159



159, 8, 51

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.



217, 104, 121



8, 96, 159



168, 121, 199

Square

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



8, 96, 159



0, 89, 219



205, 107, 163



145, 181, 58

Rectangle

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



8, 96, 159



0, 86, 185



205, 107, 163



213, 112, 95

Sweetspot

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



8, 96, 159



149, 183, 207



8, 159, 114



69, 90, 105



232, 232, 232



105, 105, 105

Same Dimension

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



8, 96, 159



0, 121, 207



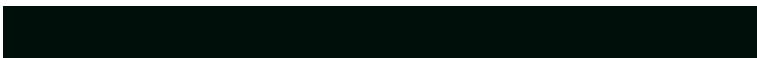
8, 75, 159



71, 76, 79



0, 83, 143



0, 9, 15

Inverse Universe

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



159, 8, 51



207, 0, 59



159, 45, 8



79, 71, 73



143, 0, 41



15, 0, 4

Previews

White Background



This preview shows how the RYB color 8, 96, 159 looks on a white background.

Color Contrast Check

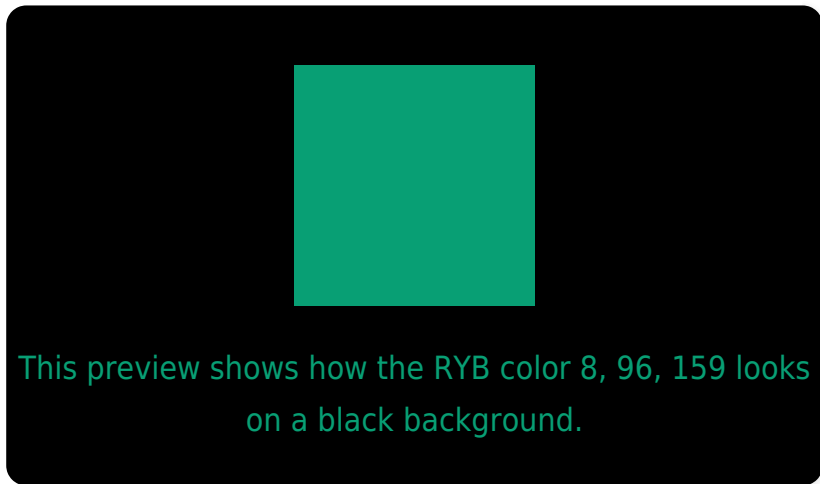
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

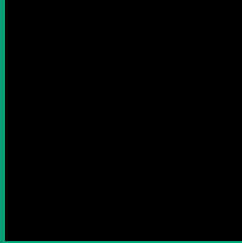
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

R Y B 8, 96, 159 Background



This preview shows how black text looks on a background with the RYB color 8, 96, 159.



This preview shows how white text looks on a background with the RYB color 8, 96, 159.

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
8, 96, 159

Protanopia
119, 148, 107

Deuteranopia
158, 140, 122



Tritanopia
52, 105, 165

Trichromacy



Original Color

8, 96, 159



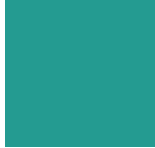
Protanomaly

97, 136, 146



Deuteranomaly

103, 131, 143



Tritanomaly

36, 98, 155

Monochromacy



Original Color

8, 96, 159



Achromatopsia

109, 109, 109



Achromatomaly

72, 104, 127

CSS Examples

Text

The CSS property to change the color of the text to RYB 8, 96, 159 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(8, 159, 116)` looks like.

```
.text, #text, p{  
    color:rgb(8, 159, 116)  
}
```

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(8, 159, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 159, 116) }
```

Border

The CSS property to change the border of an element to RYB 8, 96, 159 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(8, 159, 116) }
```

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

```
.border{ border-color:rgb(8, 159, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(8, 159, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 159, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 159, 116);  
box-shadow:4px 4px 4px 4px rgb(8, 159,  
116) }
```

Background

The CSS property to change the background color of an element to RGB 8, 96, 159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 159, 116) }
```

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

```
.background{ background-color: rgb(8, 159,  
116) }
```

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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