

Converting Colors

`RYB(0, 67, 143)`

Have a look what the booklet for
RYB(0, 67, 143) contains.

RYB(0, 67, 143)	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

`RYB(0, 67, 143)`

Conversions

Conversions Part 1

Format	Color
Hex	007E8F
RGB	0, 126, 143
RGB Percent	0%, 49%, 56%
CMY	1.0000, 0.5056, 0.4392
CMYK	1.00, 0.12, 0.00, 0.44
HSL	187°, 100%, 28%
HSV	187°, 100%, 56%
XYZ	12.4272, 16.9217, 28.5978
YIQ	90.2640, -80.5530, -21.4250

Conversions

Conversions Part 2

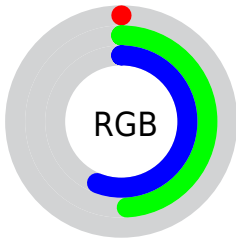
Format	Color
RYB	0, 67, 143
Decimal	32399
CIELab	48.16, -22.78, -17.46
CIELCh	48, 28.703, 217.464
Yxy	16.9217, 0.2145, 0.2920
Android (android.graphics.Color)	4278222479 (0xFF007E8F)
YUV	90.2640, 25.9988, -79.1615
Hunter-Lab	41.1360, -18.0631, -12.4233

Details

The RYB color **0, 67, 143** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **143, 19, 0**, and the grayscale version is **90, 90, 90**.

A 20% lighter version of the original color is **84, 136, 197**, and **0, 42, 93** is the 20% darker color. If you saturate the color by 10%, you get **0, 67, 143**, and if you desaturate by 10%, it is **14, 75, 143**.

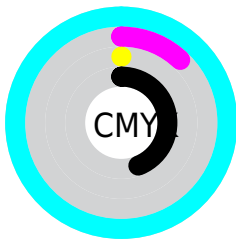
Distribution



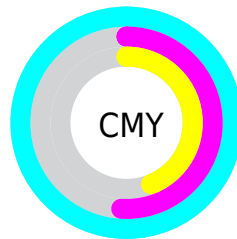
- Red (0%)
- Green (49%)
- Blue (56%)



- Red (0%)
- Yellow (26%)
- Blue (56%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (44%)



- Cyan (100%)
- Magenta (51%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the RYB color 0, 67, 143 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, 67, 143 by changing the saturation by 10% instead.

 0, 67, 143

 0, 67, 143


255, 255, 255

 0, 54, 117


 84, 136, 197

 0, 42, 93

 114, 165, 225

 0, 30, 69

 143, 193, 253

 0, 19, 47

 172, 214, 255

 0, 1, 26

 202, 229, 255

 0, 0, 0

 231, 243, 255

 0, 67, 143

 14, 75, 143

■ 29, 82, 143

■ 43, 90, 143

■ 57, 97, 143

■ 72, 105, 143

■ 86, 113, 143

■ 100, 120, 143

■ 114, 128, 143

■ 129, 135, 143

Harmonies

Analogous

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



32, 81, 127



0, 67, 143



45, 91, 159

Triad

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



0, 67, 143



150, 98, 133



77, 124, 66

Complementary

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



0, 67, 143



143, 19, 0

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.



146, 142, 70



0, 67, 143



161, 95, 109

Square

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



0, 67, 143



125, 106, 153



159, 102, 86



75, 122, 99

Rectangle

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



0, 67, 143



75, 103, 162



159, 102, 86



95, 132, 66

Sweetspot

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



0, 67, 143



130, 156, 186



0, 128, 143



60, 76, 94



222, 222, 222



94, 94, 94

Same Dimension

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



0, 67, 143



0, 87, 186



0, 40, 143



64, 68, 71



0, 63, 135



0, 4, 8

Inverse Universe

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



143, 0, 126



186, 0, 164



89, 143, 0



71, 64, 71



135, 0, 119



8, 0, 7

Previews

White Background



This preview shows how the RYB color 0, 67, 143 looks on a white 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

Black Background



This preview shows how the RYB color 0, 67, 143 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

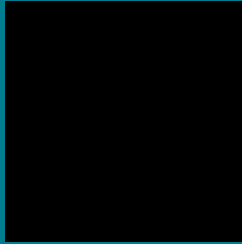
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

RYB 0, 67, 143 Background



This preview shows how black text looks on a background with the RYB color 0, 67, 143.



This preview shows how white text looks on a background with the RYB color 0, 67, 143.

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
0, 66, 137

Trichromacy



Original Color
0, 67, 143

Protanomaly
70, 98, 137

Deuteranomaly
69, 98, 145

Tritanomaly
0, 66, 139

Monochromacy



Original Color
0, 67, 143

Achromatopsia
90, 90, 90

Achromatomaly
57, 81, 109

CSS Examples

Text

The CSS property to change the color of the text to RYB 0, 67, 143 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, 126, 143)` looks like.

```
.text, #text, p{  
    color:rgb(0, 126, 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, 126, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 126, 143) }
```

Border

The CSS property to change the border of an element to RYB 0, 67, 143 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, 126, 143) }
```

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

```
.border{ border-color:rgb(0, 126, 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, 126, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 126, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 126, 143);  
box-shadow:4px 4px 4px 4px rgb(0, 126,  
143) }
```

Background

The CSS property to change the background color of an element to RGB 0, 67, 143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 126, 143) }
```

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

```
.background{ background-color: rgb(0, 126,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor