

Converting Colors

`RYB(0, 87, 163)`

Have a look what the booklet for
RYB(0, 87, 163) contains.

RYB(0, 87, 163)	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

R_YB(0, 87, 163)

Conversions

Conversions Part 1

Format	Color
Hex	00A38E
RGB	0, 163, 142
RGB Percent	0%, 64%, 56%
CMY	1.0000, 0.3608, 0.4416
CMYK	1.00, 0.00, 0.13, 0.36
HSL	172°, 100%, 32%
HSV	172°, 100%, 64%
XYZ	18.0091, 28.1591, 30.2314
YIQ	111.8690, -90.4070, -41.0870

Conversions

Conversions Part 2

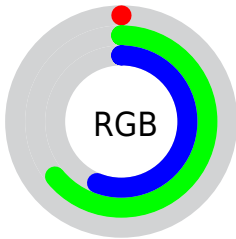
Format	Color
RYB	0, 87, 163
Decimal	41870
CIELab	60.03, -40.55, 0.61
CIELCh	60, 40.550, 179.132
Yxy	28.1591, 0.2357, 0.3686
Android (android.graphics.Color)	4278231950 (0xFF00A38E)
YUV	111.8690, 14.8546, -98.1091
Hunter-Lab	53.0652, -32.2854, 3.3680

Details

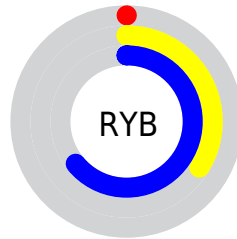
The RYB color **0, 87, 163** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **163, 0, 21**, and the grayscale version is **112, 112, 112**.

A 20% lighter version of the original color is **92, 162, 219**, and **0, 60, 110** is the 20% darker color. If you saturate the color by 10%, you get **0, 87, 163**, and if you desaturate by 10%, it is **16, 95, 163**.

Distribution



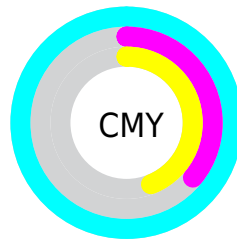
- Red (0%)
- Green (64%)
- Blue (56%)



- Red (0%)
- Yellow (34%)
- Blue (64%)



- Cyan (100%)
- Magenta (0%)
- Yellow (13%)
- Black (36%)



- Cyan (100%)
- Magenta (36%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the RYB color 0, 87, 163 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, 87, 163 by changing the saturation by 10% instead.

 0, 87, 163

 0, 87, 163

255, 255, 255

 0, 73, 136

 92, 162, 219

 0, 60, 110

 122, 192, 248

 0, 47, 85

 152, 204, 255

 0, 34, 61

 182, 219, 255

 0, 24, 40

 212, 234, 255

 0, 0, 0

 242, 249, 255

 0, 87, 163

 16, 95, 163

■ 33, 102, 163

■ 49, 110, 163

■ 65, 117, 163

■ 82, 125, 163

■ 98, 133, 163

■ 114, 140, 163

■ 130, 148, 163

■ 147, 156, 163

Harmonies

Analogous

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



87, 144, 160



0, 87, 163



0, 85, 178

Triad

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



0, 87, 163



146, 136, 207



196, 159, 84

Complementary

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



0, 87, 163



163, 0, 21

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.



211, 120, 112



0, 87, 163



188, 123, 182

Square

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



0, 87, 163



83, 127, 216



210, 116, 147



106, 167, 72

Rectangle

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



0, 87, 163



0, 88, 198



210, 116, 147



202, 139, 92

Sweetspot

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



0, 87, 163



148, 182, 212



0, 163, 141



69, 89, 107



235, 235, 235



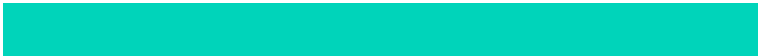
107, 107, 107

Same Dimension

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



0, 87, 163



0, 113, 212



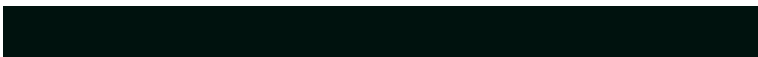
0, 63, 163



73, 78, 82



0, 77, 145



0, 10, 18

Inverse Universe

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



163, 0, 21



212, 0, 27



163, 95, 0



82, 73, 74



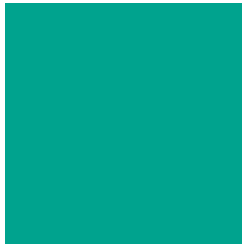
145, 0, 18



18, 0, 2

Previews

White Background



This preview shows how the RYB color 0, 87, 163 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



This preview shows how the RYB color 0, 87, 163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

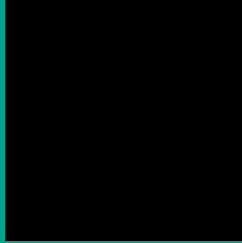
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

R Y B 0, 87, 163 Background



This preview shows how black text looks on a background with the RYB color 0, 87, 163.



This preview shows how white text looks on a background with the RYB color 0, 87, 163.

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
44, 105, 172

Trichromacy



Original Color

0, 87, 163



Protanomaly

95, 127, 150



Deuteranomaly

99, 124, 148



Tritanomaly

28, 94, 161

Monochromacy



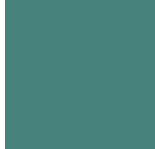
Original Color

0, 87, 163



Achromatopsia

112, 112, 112



Achromatomaly

71, 103, 131

CSS Examples

Text

The CSS property to change the color of the text to RYB 0, 87, 163 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, 163, 142)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 142)  
}
```

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, 163, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 142) }
```

Border

The CSS property to change the border of an element to RYB 0, 87, 163 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, 163, 142) }
```

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

```
.border{ border-color:rgb(0, 163, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 163, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 142);  
box-shadow:4px 4px 4px 4px rgb(0, 163,  
142) }
```

Background

The CSS property to change the background color of an element to RYB 0, 87, 163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 163, 142) }
```

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

```
.background{ background-color: rgb(0, 163,  
142) }
```

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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