

Converting Colors

`RYB(0, 89, 166)`

Have a look what the booklet for
RYB(0, 89, 166) contains.

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Color

`RYB(0, 89, 166)`

Conversions

Conversions Part 1

Format	Color
Hex	00A690
RGB	0, 166, 144
RGB Percent	0%, 65%, 56%
CMY	1.0000, 0.3490, 0.4368
CMYK	1.00, 0.00, 0.13, 0.35
HSL	172°, 100%, 33%
HSV	172°, 100%, 65%
XYZ	18.6411, 29.2744, 30.9008
YIQ	113.8580, -91.8740, -42.0340

Conversions

Conversions Part 2

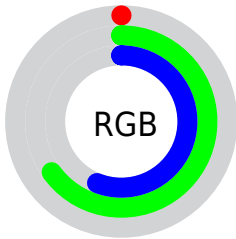
Format	Color
RYB	0, 89, 166
Decimal	42640
CIELab	61.02, -41.49, 1.37
CIELCh	61, 41.517, 178.113
Yxy	29.2744, 0.2365, 0.3714
Android (android.graphics.Color)	4278232720 (0xFF00A690)
YUV	113.8580, 14.8600, -99.8535
Hunter-Lab	54.1058, -33.1865, 4.0125

Details

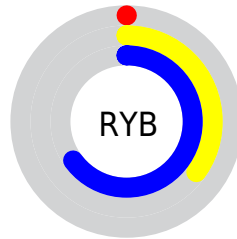
The RYB color `0, 89, 166` is a dark color, and the websafe version is hex `009999`. A complement of this color would be `166, 0, 22`, and the grayscale version is `114, 114, 114`.

A 20% lighter version of the original color is `92, 164, 222`, and `0, 62, 113` is the 20% darker color. If you saturate the color by 10%, you get `0, 89, 166`, and if you desaturate by 10%, it is `17, 97, 166`.

Distribution



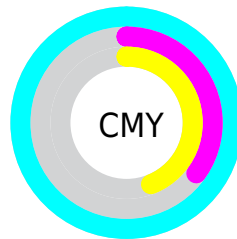
- Red (0%)
- Green (65%)
- Blue (56%)



- Red (0%)
- Yellow (35%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (13%)
- Black (35%)



- Cyan (100%)
- Magenta (35%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the RYB color 0, 89, 166 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, 89, 166 by changing the saturation by 10% instead.

 0, 89, 166

 0, 89, 166

255, 255, 255

 0, 75, 139


 92, 164, 222

 0, 62, 113

 123, 194, 251

 0, 49, 88

 153, 204, 255

 0, 36, 63

 183, 219, 255

 0, 26, 42

 213, 234, 255


 0, 7, 7


 244, 250, 255


 0, 0, 0


 0, 89, 166


 17, 97, 166


 33, 104, 166


 50, 112, 166


 66, 119, 166

 83, 127, 166

 100, 135, 166

 116, 143, 166

 133, 151, 166

 149, 158, 166

Harmonies

Analogous

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



90, 149, 163



0, 89, 166



0, 87, 181

Triad

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



0, 89, 166



147, 139, 212



200, 160, 86

Complementary

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



0, 89, 166



166, 0, 22

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.



216, 120, 115



0, 89, 166



191, 125, 187

Square

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



0, 89, 166



81, 128, 220



214, 117, 151



111, 172, 72

Rectangle

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



0, 89, 166



0, 90, 201



214, 117, 151



207, 141, 94

Sweetspot

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



0, 89, 166



152, 187, 217



0, 166, 141



70, 92, 110



237, 237, 237



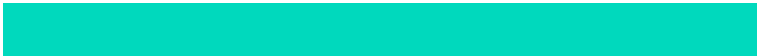
110, 110, 110

Same Dimension

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



0, 89, 166



0, 116, 217



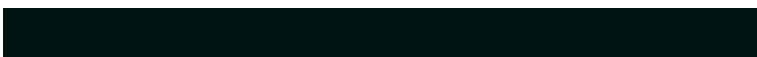
0, 65, 166



76, 80, 84



0, 79, 148



0, 11, 20

Inverse Universe

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



166, 0, 22



217, 0, 29



166, 89, 0



84, 76, 77



148, 0, 20



20, 0, 3

Previews

White Background



This preview shows how the RYB color 0, 89, 166 looks on a white background.

Color Contrast Check

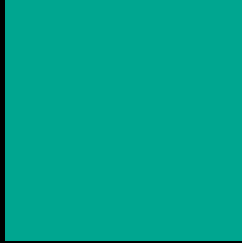
Large Text (above 18pt) WCAG AA ✓ Pass

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, 89, 166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

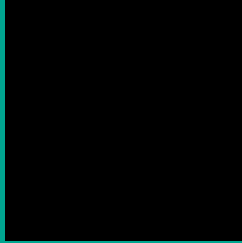
Any Text WCAG AA ✓ Pass

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, 89, 166 Background



This preview shows how black text looks on a background with the RYB color 0, 89, 166.



This preview shows how white text looks on a background with the RYB color 0, 89, 166.

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
45, 107, 175

Trichromacy



Original Color

0, 89, 166



Protanomaly

97, 130, 153



Deuteranomaly

101, 127, 151



Tritanomaly

29, 96, 164

Monochromacy



Original Color

0, 89, 166



Achromatopsia

114, 114, 114



Achromatomaly

73, 105, 133

CSS Examples

Text

The CSS property to change the color of the text to RYB 0, 89, 166 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, 166, 144)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 144)  
}
```

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, 166, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 144) }
```

Border

The CSS property to change the border of an element to RYB 0, 89, 166 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, 166, 144) }
```

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

```
.border{ border-color:rgb(0, 166, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 166, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 144);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
144) }
```

Background

The CSS property to change the background color of an element to RYB 0, 89, 166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 144) }
```

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

```
.background{ background-color: rgb(0, 166,  
144) }
```

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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