

Converting Colors

`RYB(0, 89, 200)`

Have a look what the booklet for
RYB(0, 89, 200) contains.

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Color

`RYB(0, 89, 200)`

Conversions

Conversions Part 1

Format	Color
Hex	00A0C8
RGB	0, 160, 200
RGB Percent	0%, 63%, 78%
CMY	1.0000, 0.3711, 0.2157
CMYK	1.00, 0.20, 0.00, 0.22
HSL	192°, 100%, 39%
HSV	192°, 100%, 78%
XYZ	23.0587, 29.4369, 59.1101
YIQ	116.7200, -108.2000, -21.4800

Conversions

Conversions Part 2

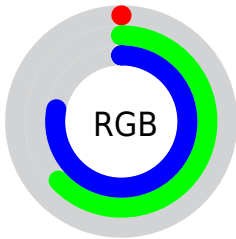
Format	Color
RYB	0, 89, 200
Decimal	41160
CIELab	61.17, -20.77, -30.11
CIELCh	61, 36.577, 235.407
Yxy	29.4369, 0.2066, 0.2638
Android (android.graphics.Color)	4278231240 (0xFF00A0C8)
YUV	116.7200, 41.0570, -102.3634
Hunter-Lab	54.2558, -19.0851, -26.6158

Details

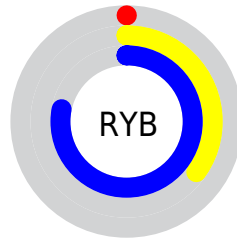
The RYB color **0, 89, 200** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **200, 50, 0**, and the grayscale version is **117, 117, 117**.

A 20% lighter version of the original color is **100, 166, 255**, and **0, 62, 146** is the 20% darker color. If you saturate the color by 10%, you get **0, 89, 200**, and if you desaturate by 10%, it is **20, 100, 200**.

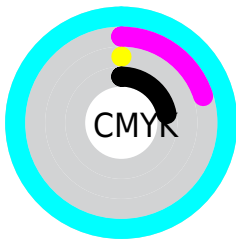
Distribution



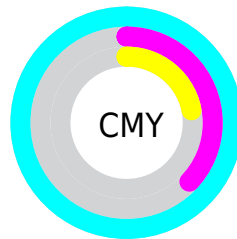
- Red (0%)
- Green (63%)
- Blue (78%)



- Red (0%)
- Yellow (35%)
- Blue (78%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (22%)



- Cyan (100%)
- Magenta (37%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the RYB color 0, 89, 200 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, 200 by changing the saturation by 10% instead.

 0, 89, 200

 0, 89, 200

255, 255, 255

 0, 76, 173


 100, 166, 255

 0, 62, 146

 132, 191, 255

 0, 49, 120


 163, 209, 255

 0, 37, 95

 194, 225, 255

 0, 25, 71

 224, 240, 255

 0, 10, 49

 0, 1, 27

 0, 0, 0

 0, 89, 200

■ 20, 100, 200

■ 40, 111, 200

■ 60, 122, 200

■ 80, 133, 200

■ 100, 144, 200

■ 120, 156, 200

■ 140, 167, 200

■ 160, 178, 200

■ 180, 189, 200

Harmonies

Analogous

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



0, 84, 174



0, 89, 200



89, 131, 212

Triad

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



0, 89, 200



206, 122, 154



88, 154, 102

Complementary

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



0, 89, 200



200, 50, 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.



126, 173, 83



0, 89, 200



210, 124, 122

Square

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



0, 89, 200



184, 129, 185



197, 156, 95



102, 154, 161

Rectangle

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



0, 89, 200



127, 142, 210



197, 156, 95



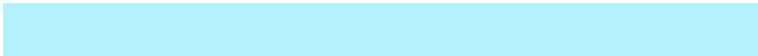
85, 152, 84

Sweetspot

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



0, 89, 200



179, 213, 255



0, 169, 200



82, 102, 128



0, 0, 0



128, 128, 128

Same Dimension

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



0, 89, 200



0, 113, 255



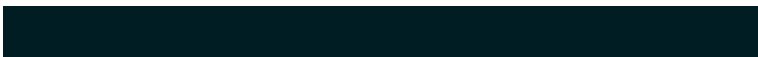
0, 48, 200



90, 94, 99



0, 73, 163



0, 16, 36

Inverse Universe

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



200, 0, 160



255, 0, 204



92, 200, 0



99, 90, 97



163, 0, 131



36, 0, 29

Previews

White Background



This preview shows how the RYB color 0, 89, 200 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, 200 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](#).

RYB 0, 89, 200 Background



This preview shows how black text looks on a background with the RYB color 0, 89, 200.

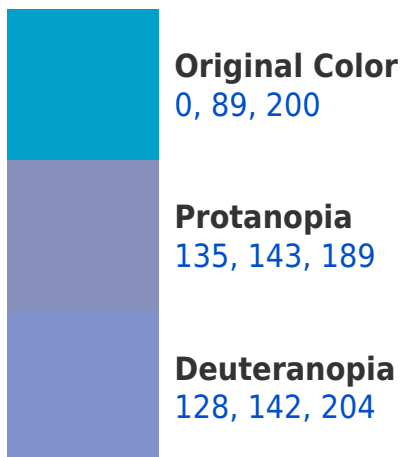


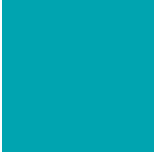
This preview shows how white text looks on a background with the RYB color 0, 89, 200.

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, 85, 176

Trichromacy



Original Color
0, 89, 200

Protanomaly
86, 126, 193

Deuteranomaly
81, 125, 203

Tritanomaly
0, 86, 185

Monochromacy



Original Color
0, 89, 200

Achromatopsia
117, 117, 117

Achromatomaly
74, 107, 147

CSS Examples

Text

The CSS property to change the color of the text to RYB 0, 89, 200 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, 160, 200)` looks like.

```
.text, #text, p{  
    color:rgb(0, 160, 200)  
}
```

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, 160, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 160, 200) }
```

Border

The CSS property to change the border of an element to RYB 0, 89, 200 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, 160, 200) }
```

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

```
.border{ border-color:rgb(0, 160, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 160, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 160, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 160, 200);  
box-shadow:4px 4px 4px 4px rgb(0, 160,  
200) }
```

Background

The CSS property to change the background color of an element to RYB 0, 89, 200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 160, 200) }
```

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

```
.background{ background-color: rgb(0, 160,  
200) }
```

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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