

Converting Colors

`RYB(5, 89, 173)`

Have a look what the booklet for
RYB(5, 89, 173) contains.

RYB(5, 89, 173)	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}(5, 89, 173)

Conversions

Conversions Part 1

Format	Color
Hex	05ADAD
RGB	5, 173, 173
RGB Percent	2%, 68%, 68%
CMY	0.9804, 0.3216, 0.3216
CMYK	0.97, 0.00, 0.00, 0.32
HSL	180°, 94%, 35%
HSV	180°, 97%, 68%
XYZ	22.5490, 32.9365, 44.7041
YIQ	122.7680, -100.1280, -35.6160

Conversions

Conversions Part 2

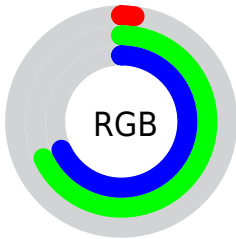
Format	Color
RYB	5, 89, 173
Decimal	372141
CIELab	64.11, -35.77, -10.53
CIELCh	64, 37.289, 196.400
Yxy	32.9365, 0.2251, 0.3287
Android (android.graphics.Color)	4278562221 (0xFF05ADAD)
YUV	122.7680, 24.7644, -103.2825
Hunter-Lab	57.3904, -30.2995, -6.0106

Details

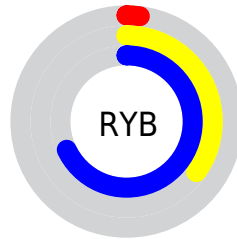
The RYB color **5, 89, 173** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **173, 5, 5**, and the grayscale version is **123, 123, 123**.

A 20% lighter version of the original color is **98, 164, 229**, and **0, 60, 121** is the 20% darker color. If you saturate the color by 10%, you get **0, 87, 173**, and if you desaturate by 10%, it is **22, 98, 173**.

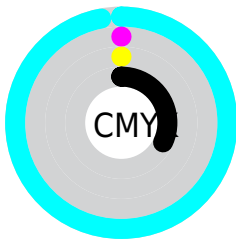
Distribution



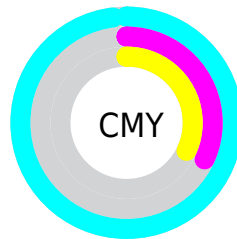
- Red (2%)
- Green (68%)
- Blue (68%)



- Red (2%)
- Yellow (35%)
- Blue (68%)



- Cyan (97%)
- Magenta (0%)
- Yellow (0%)
- Black (32%)



- Cyan (98%)
- Magenta (32%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the RYB color 5, 89, 173 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 5, 89, 173 by changing the saturation by 10% instead.

 5, 89, 173


 5, 89, 173

255, 255, 255

 0, 73, 146


 98, 164, 229

 0, 60, 121

 130, 193, 255

 0, 48, 96


 160, 208, 255

 0, 35, 72

 191, 223, 255

 0, 24, 50

 221, 238, 255

 0, 13, 29

 252, 254, 255

 0, 0, 1

 0, 0, 0

 5, 89, 173

 5, 89, 173

■ 0, 87, 173

■ 22, 98, 173

■ 40, 107, 173

■ 57, 115, 173

■ 74, 124, 173

■ 92, 133, 173

■ 109, 141, 173

■ 126, 150, 173

■ 143, 158, 173

■ 161, 167, 173

Harmonies

Analogous

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



77, 134, 172



5, 89, 173



0, 93, 203

Triad

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



5, 89, 173



182, 140, 201



164, 190, 91

Complementary

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



5, 89, 173



173, 5, 5

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.



212, 147, 109



5, 89, 173



210, 131, 172

Square

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



5, 89, 173



136, 149, 219



220, 130, 138



90, 159, 90

Rectangle

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



5, 89, 173



53, 120, 216



220, 130, 138



199, 188, 95

Sweetspot

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



5, 89, 173



159, 192, 224



5, 173, 173



73, 93, 112



240, 240, 240



112, 112, 112

Same Dimension

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



5, 89, 173



0, 112, 224



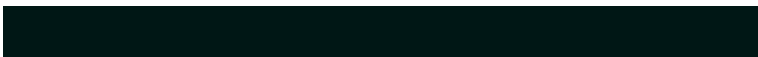
5, 61, 173



78, 83, 87



0, 75, 150



0, 12, 23

Inverse Universe

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



173, 5, 173



224, 0, 224



173, 173, 5



87, 78, 87



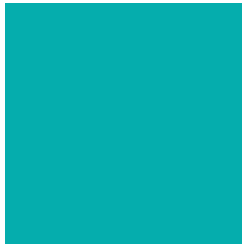
150, 0, 150



23, 0, 23

Previews

White Background



This preview shows how the RYB color 5, 89, 173 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 5, 89, 173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

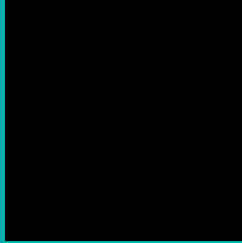
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

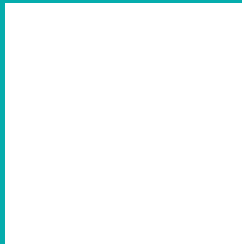
Any Text WCAG AAA ✓ Pass

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

R Y B 5, 89, 173 Background



This preview shows how black text looks on a background with the RYB color 5, 89, 173.

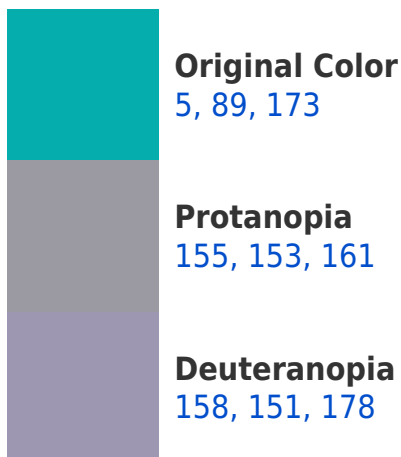


This preview shows how white text looks on a background with the RYB color 5, 89, 173.

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
32, 105, 185

Trichromacy



Original Color

5, 89, 173



Protanomaly

100, 131, 165



Deuteranomaly

102, 134, 176



Tritanomaly

22, 99, 181

Monochromacy



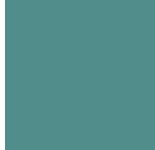
Original Color

5, 89, 173



Achromatopsia

123, 123, 123



Achromatomaly

80, 111, 141

CSS Examples

Text

The CSS property to change the color of the text to RYB 5, 89, 173 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(5, 173, 173)` looks like.

```
.text, #text, p{  
    color:rgb(5, 173, 173)  
}
```

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(5, 173, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 173, 173) }
```

Border

The CSS property to change the border of an element to RYB 5, 89, 173 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(5, 173, 173) }
```

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

```
.border{ border-color:rgb(5, 173, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 173, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 173, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 173, 173);  
box-shadow:4px 4px 4px 4px rgb(5, 173,  
173) }
```

Background

The CSS property to change the background color of an element to RYB 5, 89, 173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 173, 173) }
```

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

```
.background{ background-color: rgb(5, 173,  
173) }
```

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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