

Converting Colors

`RYB(10, 100, 209)`

Have a look what the booklet for RYB(10, 100, 209) contains.

RYB(10, 100, 209)	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>	28

Color

$\text{RYB}(10, 100, 209)$

Conversions

Conversions Part 1

Format	Color
Hex	0AAED1
RGB	10, 174, 209
RGB Percent	4%, 68%, 82%
CMY	0.9608, 0.3164, 0.1804
CMYK	0.95, 0.17, 0.00, 0.18
HSL	190°, 91%, 43%
HSV	190°, 95%, 82%
XYZ	26.8302, 35.0608, 65.6749
YIQ	128.9540, -108.9790, -23.8830

Conversions

Conversions Part 2

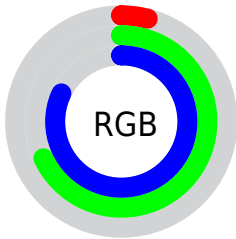
Format	Color
RYB	10, 100, 209
Decimal	700113
CIELab	65.80, -24.58, -27.96
CIELCh	66, 37.222, 228.682
Yxy	35.0608, 0.2103, 0.2748
Android (android.graphics.Color)	4278890193 (0xFF0AAED1)
YUV	128.9540, 39.4627, -104.3227
Hunter-Lab	59.2121, -22.7393, -24.3128

Details

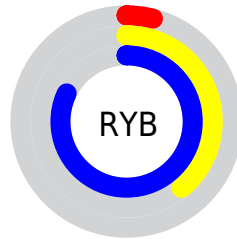
The RYB color **10, 100, 209** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **209, 52, 10**, and the grayscale version is **129, 129, 129**.

A 20% lighter version of the original color is **105, 173, 255**, and **0, 68, 154** is the 20% darker color. If you saturate the color by 10%, you get **0, 95, 209**, and if you desaturate by 10%, it is **31, 112, 209**.

Distribution



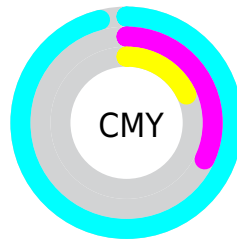
- Red (4%)
- Green (68%)
- Blue (82%)



- Red (4%)
- Yellow (39%)
- Blue (82%)



- Cyan (95%)
- Magenta (17%)
- Yellow (0%)
- Black (18%)




















- Cyan (96%)
- Magenta (32%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the RYB color 10, 100, 209 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 10, 100, 209 by changing the saturation by 10% instead.

 10, 100, 209	 10, 100, 209
 255, 255, 255	 0, 81, 181
 105, 173, 255	 0, 68, 154
 137, 196, 255	 0, 55, 128
 168, 212, 255	 0, 42, 103
 199, 227, 255	 0, 31, 79
 230, 243, 255	 0, 20, 56
	 0, 2, 34
	 0, 0, 8
	 0, 0, 0

■ 10, 100, 209

■ 10, 100, 209

■ 0, 95, 209

■ 31, 112, 209

■ 52, 123, 209

■ 73, 134, 209

■ 94, 146, 209

■ 114, 157, 209

■ 135, 168, 209

■ 156, 180, 209

■ 177, 191, 209

■ 198, 203, 209

Harmonies

Analogous

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



17, 98, 180



10, 100, 209



87, 138, 225

Triad

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



10, 100, 209



217, 135, 174



95, 164, 98

Complementary

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



10, 100, 209



209, 52, 10

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.



161, 193, 94



10, 100, 209



225, 134, 140

Square

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



10, 100, 209



189, 144, 204



216, 155, 111



115, 172, 164

Rectangle

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



10, 100, 209



127, 152, 226



216, 155, 111



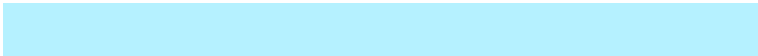
106, 172, 93

Sweetspot

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



10, 100, 209



181, 214, 255



10, 181, 209



83, 103, 128



0, 0, 0



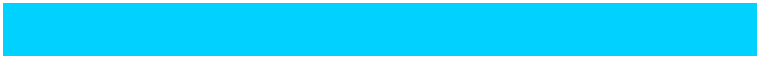
128, 128, 128

Same Dimension

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



10, 100, 209



0, 115, 255



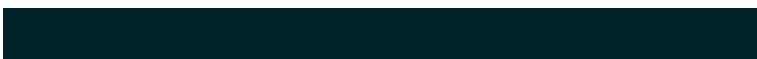
10, 60, 209



94, 99, 105



0, 76, 168



0, 19, 41

Inverse Universe

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



209, 10, 174



255, 0, 211



109, 209, 10



105, 94, 103



168, 0, 139



41, 0, 34

Previews

White Background



This preview shows how the RYB color 10, 100, 209 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 10, 100, 209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

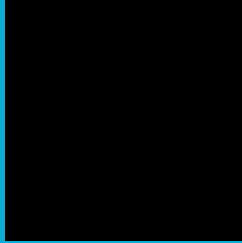
Any Text WCAG AA ✓ Pass

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](#).

RYB 10, 100, 209 Background



This preview shows how black text looks on a background with the RYB color 10, 100, 209.



This preview shows how white text looks on a background with the RYB color 10, 100, 209.

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



Original Color
10, 100, 209

Protanopia
149, 156, 197

Deuteranopia
144, 154, 213

Trichromacy

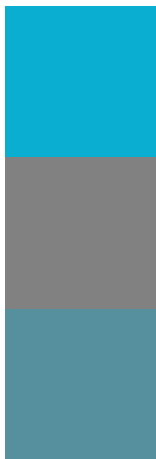


Original Color
10, 100, 209

Protanomaly
98, 138, 201

Deuteranomaly
95, 138, 212

Monochromacy



Original Color
10, 100, 209

Achromatopsia
129, 129, 129

Achromatomaly
86, 118, 158

CSS Examples

Text

The CSS property to change the color of the text to RYB 10, 100, 209 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(10, 174, 209)` looks like.

```
.text, #text, p{  
    color:rgb(10, 174, 209)  
}
```

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(10, 174, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 174, 209) }
```

Border

The CSS property to change the border of an element to RYB 10, 100, 209 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(10, 174, 209) }
```

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

```
.border{ border-color:rgb(10, 174, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 174, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 174, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 174, 209);  
box-shadow:4px 4px 4px 4px rgb(10, 174,  
209) }
```

Background

The CSS property to change the background color of an element to RGB 10, 100, 209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 174, 209) }
```

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

```
.background{ background-color: rgb(10, 174,  
209) }
```

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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