

Converting Colors

`RYB(67, 128, 209)`

Have a look what the booklet for
RYB(67, 128, 209) contains.

RYB(67, 128, 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>	29

Color

$\text{RYB}(67, 128, 209)$

Conversions

Conversions Part 1

Format	Color
Hex	43AED1
RGB	67, 174, 209
RGB Percent	26%, 68%, 82%
CMY	0.7373, 0.3179, 0.1804
CMYK	0.68, 0.17, 0.00, 0.18
HSL	195°, 61%, 54%
HSV	195°, 68%, 82%
XYZ	28.9475, 36.0450, 65.7533
YIQ	145.9970, -75.0070, -11.7990

Conversions

Conversions Part 2

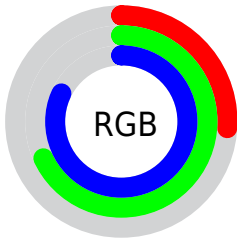
Format	Color
RYB	67, 128, 209
Decimal	4435665
CIELab	66.55, -19.43, -26.72
CIELCh	67, 33.036, 233.966
Yxy	36.0450, 0.2214, 0.2757
Android (android.graphics.Color)	4282625745 (0xFF43AED1)
YUV	145.9970, 31.0605, -69.2804
Hunter-Lab	60.0375, -19.0006, -22.9084

Details

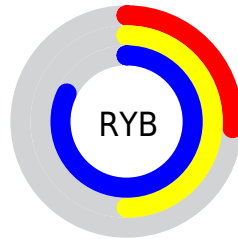
The RYB color **67, 128, 209** is a light color, and the websafe version is hex **0099CC**. The color can be described as light muted azure. A complement of this color would be **209, 113, 67**, and the grayscale version is **146, 146, 146**.

A 20% lighter version of the original color is **131, 186, 255**, and **0, 68, 154** is the 20% darker color. If you saturate the color by 10%, you get **46, 116, 209**, and if you desaturate by 10%, it is **88, 140, 209**.

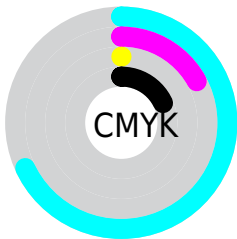
Distribution



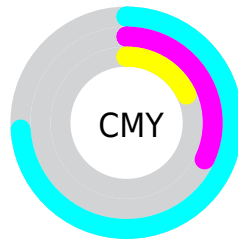
- Red (26%)
- Green (68%)
- Blue (82%)



- Red (26%)
- Yellow (50%)
- Blue (82%)



- Cyan (68%)
- Magenta (17%)
- Yellow (0%)
- Black (18%)




















- Cyan (74%)
- Magenta (32%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the RYB color 67, 128, 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 67, 128, 209 by changing the saturation by 10% instead.

 67, 128, 209	 67, 128, 209
 255, 255, 255	 22, 92, 181
 131, 186, 255	 0, 68, 154
 161, 208, 255	 0, 55, 128
 191, 223, 255	 0, 43, 103
 221, 238, 255	 0, 31, 79
 251, 253, 255	 0, 20, 56
	 0, 2, 34
	 0, 0, 9
	 0, 0, 0

■ 67, 128, 209

■ 67, 128, 209

■ 46, 116, 209

■ 88, 140, 209

■ 25, 104, 209

■ 109, 152, 209

■ 4, 92, 209

■ 130, 164, 209

■ 0, 90, 209

■ 151, 176, 209

■ 171, 187, 209

■ 192, 199, 209

■ 213, 210, 209

■ 234, 217, 209

■ 255, 223, 209

Harmonies

Analogous

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



57, 119, 185



67, 128, 209



111, 148, 220

Triad

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



67, 128, 209



215, 140, 169



107, 167, 117

Complementary

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



67, 128, 209



209, 113, 67

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.



147, 187, 103



67, 128, 209



220, 141, 139

Square

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



67, 128, 209



194, 146, 197



210, 166, 115



123, 171, 174

Rectangle

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



67, 128, 209



142, 157, 219



210, 166, 115



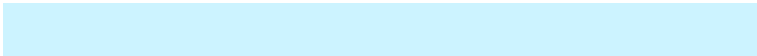
108, 168, 104

Sweetspot

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



67, 128, 209



204, 226, 255



67, 182, 209



97, 110, 128



0, 0, 0



128, 128, 128

Same Dimension

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



67, 128, 209



46, 136, 255



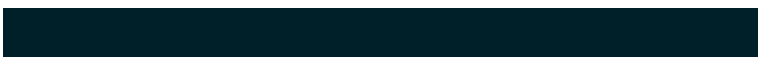
67, 97, 209



94, 99, 105



0, 72, 168



0, 18, 41

Inverse Universe

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



209, 67, 174



255, 46, 203



119, 209, 67



105, 94, 102



168, 0, 127



41, 0, 31

Previews

White Background



This preview shows how the RYB color 67, 128, 209 looks on a white background.

Color Contrast Check

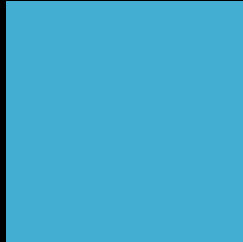
Large Text (above 18pt) WCAG AA × Fail

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 67, 128, 209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

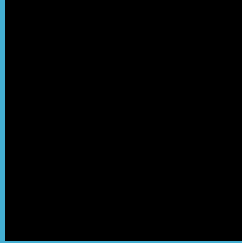
Any Text WCAG AA ✓ Pass

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 67, 128, 209 Background



This preview shows how black text looks on a background with the RYB color 67, 128, 209.

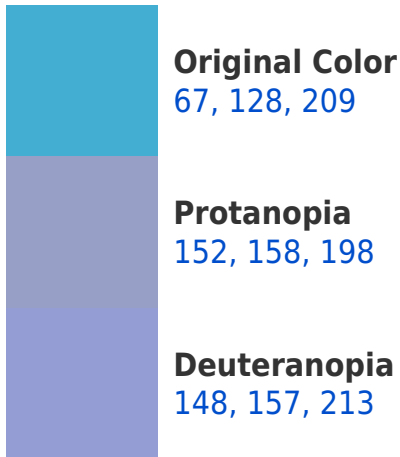


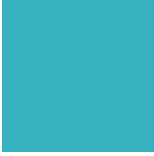
This preview shows how white text looks on a background with the RYB color 67, 128, 209.

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



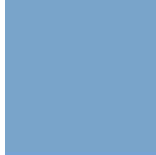


Tritanopia
56, 120, 191

Trichromacy



Original Color
67, 128, 209



Protanomaly
121, 149, 202



Deuteranomaly
119, 149, 212



Tritanomaly
60, 123, 198

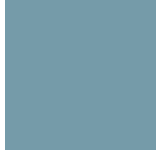
Monochromacy



Original Color
67, 128, 209



Achromatopsia
146, 146, 146



Achromatomaly
117, 139, 169

CSS Examples

Text

The CSS property to change the color of the text to RYB 67, 128, 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(67, 174, 209)` looks like.

```
.text, #text, p{  
    color:rgb(67, 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(67, 174, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 174, 209) }
```

Border

The CSS property to change the border of an element to RYB 67, 128, 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(67, 174, 209) }
```

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

```
.border{ border-color:rgb(67, 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(67, 174, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 174, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 174, 209);  
box-shadow:4px 4px 4px 4px rgb(67, 174,  
209) }
```

Background

The CSS property to change the background color of an element to RGB 67, 128, 209 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 174, 209) }
```

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

```
.background{ background-color: rgb(67, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor