

Converting Colors

`RYB(69, 118, 205)`

Have a look what the booklet for
RYB(69, 118, 205) contains.

RYB(69, 118, 205)	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(69, 118, 205)

Conversions

Conversions Part 1

Format	Color
Hex	4592CD
RGB	69, 146, 205
RGB Percent	27%, 57%, 80%
CMY	0.7294, 0.4290, 0.1961
CMYK	0.66, 0.29, 0.00, 0.20
HSL	206°, 58%, 54%
HSV	206°, 66%, 80%
XYZ	23.6907, 26.1069, 61.5481
YIQ	129.7030, -64.8310, 2.0250

Conversions

Conversions Part 2

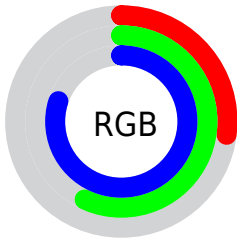
Format	Color
R_{YB}	69, 118, 205
Decimal	4559565
CIE _{Lab}	58.14, -4.90, -37.54
CIE _{LCh}	58, 37.860, 262.569
Yxy	26.1069, 0.2128, 0.2345
Android (android.graphics.Color)	4282749645 (0xFF4592CD)
YUV	129.7030, 37.1214, -53.2365
Hunter-Lab	51.0949, -6.6529, -35.6533

Details

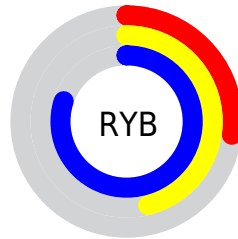
The RYB color **69, 118, 205** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **205, 173, 69**, and the grayscale version is **129, 129, 129**.

A 20% lighter version of the original color is **130, 175, 255**, and **0, 59, 150** is the 20% darker color. If you saturate the color by 10%, you get **48, 105, 205**, and if you desaturate by 10%, it is **89, 131, 205**.

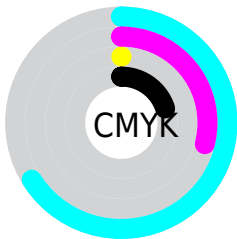
Distribution



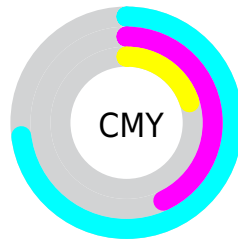
- Red (27%)
- Green (57%)
- Blue (80%)



- Red (27%)
- Yellow (46%)
- Blue (80%)



- Cyan (66%)
- Magenta (29%)
- Yellow (0%)
- Black (20%)



















- Cyan (73%)
- Magenta (43%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RYB color 69, 118, 205 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 69, 118, 205 by changing the saturation by 10% instead.

 69, 118, 205	 69, 118, 205
 255, 255, 255	 30, 86, 177
 130, 174, 255	 0, 58, 150
 160, 199, 255	 0, 46, 124
 189, 222, 255	 0, 33, 99
 219, 237, 255	 0, 21, 75
 249, 252, 255	 0, 4, 52
	 0, 2, 30
	 0, 0, 0

 69, 118, 205  69, 118, 205

■ 48, 105, 205

■ 89, 131, 205

■ 28, 92, 205

■ 110, 144, 205

■ 7, 79, 205

■ 131, 157, 205

■ 0, 74, 205

■ 151, 170, 205

■ 171, 183, 205

■ 192, 197, 205

■ 212, 210, 205

■ 233, 226, 205

■ 253, 242, 205

Harmonies

Analogous

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



0, 85, 191



69, 118, 205



130, 134, 201

Triad

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



69, 118, 205



203, 114, 116



97, 152, 153

Complementary

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



69, 118, 205



205, 173, 69

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.



77, 145, 87



69, 118, 205



192, 141, 88

Square

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



69, 118, 205



198, 114, 149



124, 168, 73



44, 108, 157

Rectangle

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



69, 118, 205



161, 126, 189



124, 168, 73



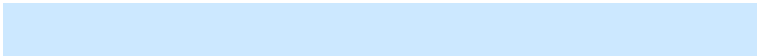
90, 151, 131

Sweetspot

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



69, 118, 205



204, 222, 255



69, 164, 205



97, 108, 128



0, 0, 0



128, 128, 128

Same Dimension

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



69, 118, 205



51, 125, 255



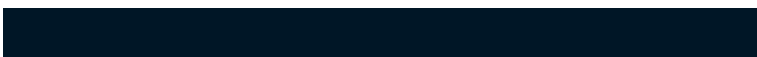
69, 77, 205



92, 96, 102



0, 60, 166



0, 14, 38

Inverse Universe

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



205, 69, 146



255, 51, 166



79, 205, 69



102, 92, 98



166, 0, 93



38, 0, 22

Previews

White Background



This preview shows how the RYB color 69, 118, 205 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 69, 118, 205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

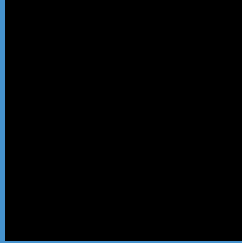
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

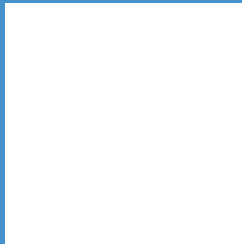
Any Text WCAG AAA × Fail

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

RYB 69, 118, 205 Background



This preview shows how black text looks on a background with the RYB color 69, 118, 205.

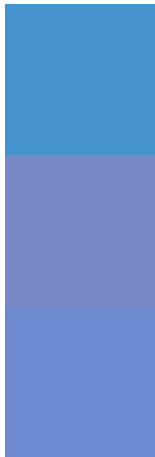


This preview shows how white text looks on a background with the RYB color 69, 118, 205.

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
69, 118, 205

Protanopia
120, 134, 198

Deuteranopia
109, 131, 207



Tritanopia
45, 102, 166

Trichromacy



Original Color
69, 118, 205

Protanomaly
101, 129, 201

Deuteranomaly
94, 127, 206

Tritanomaly
54, 108, 180

Monochromacy



Original Color
69, 118, 205

Achromatopsia
129, 129, 129

Achromatomaly
107, 125, 157

CSS Examples

Text

The CSS property to change the color of the text to RYB 69, 118, 205 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(69, 146, 205)` looks like.

```
.text, #text, p{  
    color:rgb(69, 146, 205)  
}
```

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(69, 146, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 146, 205) }
```

Border

The CSS property to change the border of an element to RYB 69, 118, 205 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(69, 146, 205) }
```

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

```
.border{ border-color:rgb(69, 146, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 146, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 146, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 146, 205);  
box-shadow:4px 4px 4px 4px rgb(69, 146,  
205) }
```

Background

The CSS property to change the background color of an element to RYB 69, 118, 205 is called "background".

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

```
.background, #background, body{  
background: rgb(69, 146, 205) }
```

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

```
.background{ background-color: rgb(69, 146,  
205) }
```

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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