

Converting Colors

`RYB(105, 123, 216)`

Have a look what the booklet for
RYB(105, 123, 216) contains.

RYB(105, 123, 216)	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

`RYB(105, 123, 216)`

Conversions

Conversions Part 1	
Format	Color
Hex	697ED8
RGB	105, 126, 216
RGB Percent	41%, 49%, 85%
CMY	0.5882, 0.5040, 0.1529
CMYK	0.51, 0.41, 0.00, 0.15
HSL	228°, 59%, 63%
HSV	228°, 51%, 85%
XYZ	25.7432, 23.0069, 68.0497
YIQ	129.9810, -41.4060, 23.5380

Conversions

Conversions Part 2

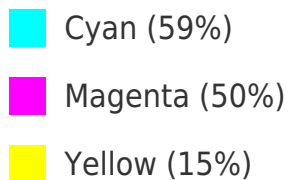
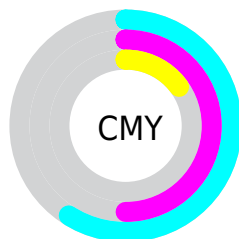
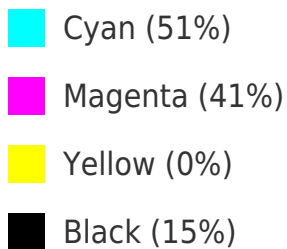
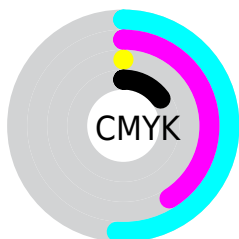
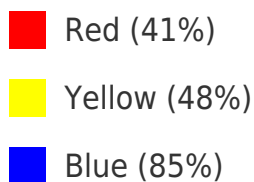
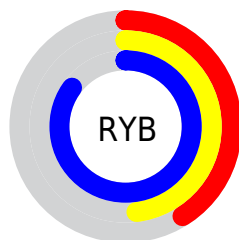
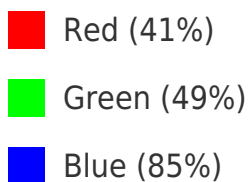
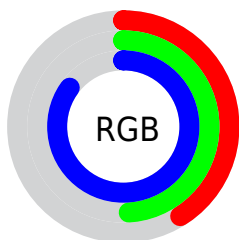
Format	Color
RYB	105, 123, 216
Decimal	6913752
CIELab	55.08, 17.13, -48.45
CIELCh	55, 51.383, 289.469
Yxy	23.0069, 0.2204, 0.1970
Android (android.graphics.Color)	4285103832 (0xFF697ED8)
YUV	129.9810, 42.4074, -21.9083
Hunter-Lab	47.9655, 11.8620, -50.5402

Details

The RYB color **105, 123, 216** is a dark color, and the websafe version is hex **6699FF**. A complement of this color would be **131, 216, 105**, and the grayscale version is **130, 130, 130**.

A 20% lighter version of the original color is **162, 176, 255**, and **44, 70, 161** is the 20% darker color. If you saturate the color by 10%, you get **83, 105, 216**, and if you desaturate by 10%, it is **127, 141, 216**.

Distribution



Brightness & Saturation Gradients

These gradients show how the RYB color 105, 123, 216 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 105, 123, 216 by changing the saturation by 10% instead.



105, 123, 216



105, 123, 216

255, 255, 255



76, 97, 188



162, 176, 255



44, 70, 161



191, 203, 255



0, 39, 134



220, 230, 255



0, 26, 108



250, 253, 255



0, 13, 83



0, 5, 59



0, 2, 37




0, 1, 13




0, 0, 0

 105, 123, 216


 105, 123, 216


 83, 105, 216

 127, 141, 216


 62, 87, 216

 148, 159, 216

 40, 68, 216

 170, 178, 216

 19, 51, 216

 191, 195, 216

 0, 35, 216

 213, 214, 216

 221, 235, 216

 225, 255, 216

 216, 255, 216

Harmonies

Analogous

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



0, 86, 219



105, 123, 216



171, 108, 190

Triad

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



105, 123, 216



199, 126, 65



0, 88, 153

Complementary

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



105, 123, 216



131, 216, 105

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.



71, 148, 145



105, 123, 216



108, 169, 39

Square

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



105, 123, 216



213, 93, 105



41, 138, 51



0, 78, 160

Rectangle

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



105, 123, 216



197, 97, 164



41, 138, 51



0, 91, 151

Sweetspot

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



105, 123, 216



217, 223, 255



105, 167, 216



105, 108, 128



0, 0, 0



128, 128, 128

Same Dimension

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



105, 123, 216



97, 122, 255



138, 105, 216



96, 98, 107



0, 28, 171



0, 7, 43

Inverse Universe

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



216, 105, 126



255, 97, 128



105, 216, 138



107, 96, 98



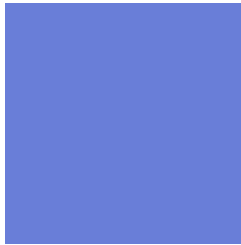
171, 0, 33



43, 0, 8

Previews

White Background



This preview shows how the RYB color 105, 123, 216 looks on a white background.

Color Contrast Check

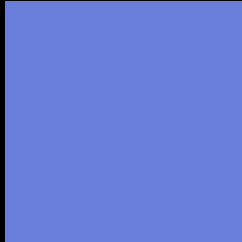
Large Text (above 18pt) WCAG AA ✓ Pass

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 105, 123, 216 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 105, 123, 216 Background



This preview shows how black text looks on a background with the RYB color 105, 123, 216.

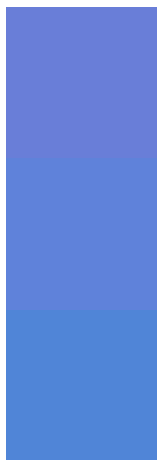


This preview shows how white text looks on a background with the RYB color 105, 123, 216.

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

105, 123, 216

Protanopia

95, 122, 218

Deuteranopia

80, 118, 215



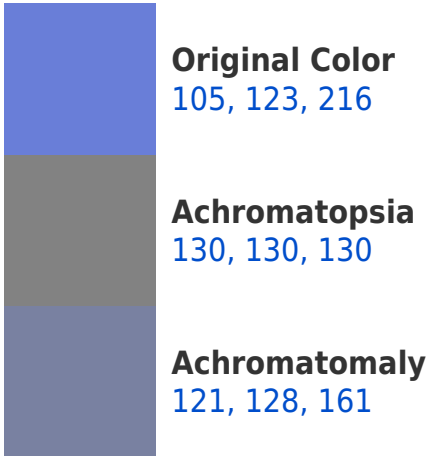
Tritanopia

84, 115, 152

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RGB 105, 123, 216 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(105, 126, 216) looks like.

```
.text, #text, p{  
    color:rgb(105, 126, 216)  
}
```

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(105, 126, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 126, 216) }
```

Border

The CSS property to change the border of an element to RYB 105, 123, 216 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(105, 126, 216) }
```

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

```
.border{ border-color:rgb(105, 126, 216) }
```

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

Here you see how a box with a 4 pixel rgb(105, 126, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 126, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 126, 216);  
box-shadow:4px 4px 4px 4px rgb(105, 126,  
216) }
```

Background

The CSS property to change the background color of an element to RGB 105, 123, 216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 126, 216) }
```

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

```
.background{ background-color: rgb(105,  
126, 216) }
```

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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