

Converting Colors

`RYB(99, 123, 223)`

Have a look what the booklet for
RYB(99, 123, 223) contains.

RYB(99, 123, 223)	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(99, 123, 223)`

Conversions

Conversions Part 1

Format	Color
Hex	6381DF
RGB	99, 129, 223
RGB Percent	39%, 51%, 87%
CMY	0.6118, 0.4951, 0.1255
CMYK	0.56, 0.42, 0.00, 0.13
HSL	226°, 66%, 63%
HSV	226°, 56%, 87%
XYZ	26.2836, 23.6177, 72.9854
YIQ	130.7460, -48.0540, 22.8740

Conversions

Conversions Part 2

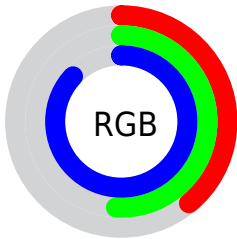
Format	Color
R_{YB}	99, 123, 223
Decimal	6521311
CIE _{Lab}	55.70, 16.69, -51.41
CIE _{LCh}	56, 54.048, 287.982
Yxy	23.6177, 0.2139, 0.1922
Android (android.graphics.Color)	4284711391 (0xFF6381DF)
YUV	130.7460, 45.4812, -27.8412
Hunter-Lab	48.5981, 11.4925, -55.0241

Details

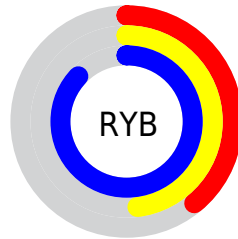
The RYB color **99, 123, 223** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **139, 223, 99**, and the grayscale version is **130, 130, 130**.

A 20% lighter version of the original color is **157, 177, 255**, and **32, 67, 167** is the 20% darker color. If you saturate the color by 10%, you get **77, 105, 223**, and if you desaturate by 10%, it is **121, 141, 223**.

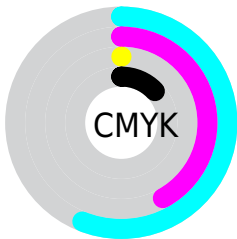
Distribution



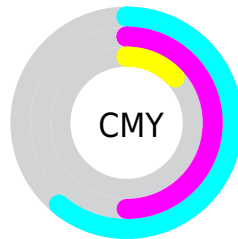
- Red (39%)
- Green (51%)
- Blue (87%)



- Red (39%)
- Yellow (48%)
- Blue (87%)



- Cyan (56%)
- Magenta (42%)
- Yellow (0%)
- Black (13%)



















- Cyan (61%)
- Magenta (50%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RYB color 99, 123, 223 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 99, 123, 223 by changing the saturation by 10% instead.

 99, 123, 223	 99, 123, 223
 255, 255, 255	 68, 96, 195
 157, 176, 255	 32, 67, 167
 187, 204, 255	 0, 41, 140
 216, 230, 255	 0, 28, 114
 246, 251, 255	 0, 15, 89
	 0, 6, 65
	 0, 3, 42
	 0, 1, 20
	 0, 0, 0

■ 99, 123, 223

■ 99, 123, 223

■ 77, 105, 223

■ 121, 141, 223

■ 54, 87, 223

■ 144, 159, 223

■ 32, 69, 223

■ 166, 177, 223

■ 10, 51, 223

■ 188, 195, 223

■ 0, 43, 223

■ 211, 213, 223

■ 227, 233, 223

■ 234, 255, 223

■ 223, 255, 223

Harmonies

Analogous

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



0, 88, 225



99, 123, 223



171, 109, 197

Triad

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



99, 123, 223



205, 123, 65



0, 90, 155

Complementary

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



99, 123, 223



139, 223, 99

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.



67, 150, 142



99, 123, 223



113, 174, 35

Square

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



99, 123, 223



219, 91, 107



35, 140, 44



0, 79, 161

Rectangle

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



99, 123, 223



200, 97, 170



35, 140, 44



0, 95, 154

Sweetspot

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



99, 123, 223



212, 220, 255



99, 170, 223



102, 107, 128



0, 0, 0



128, 128, 128

Same Dimension

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



99, 123, 223



84, 117, 255



130, 99, 223



101, 103, 112



0, 34, 176



0, 10, 48

Inverse Universe

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



223, 99, 129



255, 84, 125



99, 223, 130



112, 101, 104



176, 0, 42



48, 0, 12

Previews

White Background



This preview shows how the RYB color 99, 123, 223 looks on a white background.

Color Contrast Check

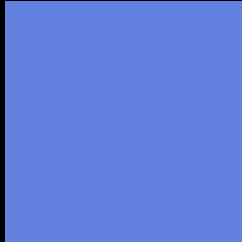
Large Text (above 18pt) WCAG AA ✓ Pass

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 99, 123, 223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

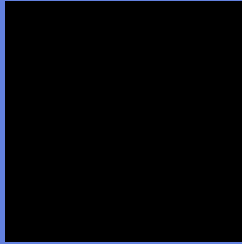
Any Text WCAG AA ✓ Pass

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 99, 123, 223 Background



This preview shows how black text looks on a background with the RYB color 99, 123, 223.

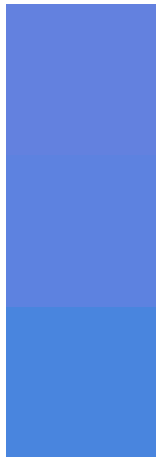


This preview shows how white text looks on a background with the RYB color 99, 123, 223.

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
99, 123, 223

Protanopia
93, 122, 224

Deuteranopia
73, 116, 222



Tritanopia
73, 111, 155

Trichromacy



Original Color
99, 123, 223

Protanomaly
95, 123, 224

Deuteranomaly
82, 119, 222

Tritanomaly
82, 118, 180

Monochromacy



Original Color
99, 123, 223

Achromatopsia
131, 131, 131

Achromatomaly
119, 128, 164

CSS Examples

Text

The CSS property to change the color of the text to RYB 99, 123, 223 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(99, 129, 223)` looks like.

```
.text, #text, p{  
    color:rgb(99, 129, 223)  
}
```

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(99, 129, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 129, 223) }
```

Border

The CSS property to change the border of an element to RYB 99, 123, 223 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(99, 129, 223) }
```

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

```
.border{ border-color:rgb(99, 129, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 129, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 129, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 129, 223);  
box-shadow:4px 4px 4px 4px rgb(99, 129,  
223) }
```

Background

The CSS property to change the background color of an element to RYB 99, 129, 223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 129, 223) }
```

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

```
.background{ background-color: rgb(99, 129,  
223) }
```

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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