

Converting Colors

`RYB(99, 153, 246)`

Have a look what the booklet for RYB(99, 153, 246) contains.

RYB(99, 153, 246)	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, 153, 246)

Conversions

Conversions Part 1

Format	Color
Hex	63B8F6
RGB	99, 184, 246
RGB Percent	39%, 72%, 96%
CMY	0.6118, 0.2770, 0.0353
CMYK	0.60, 0.25, 0.00, 0.04
HSL	205°, 89%, 68%
HSV	205°, 60%, 96%
XYZ	38.9944, 43.7351, 93.5753
YIQ	165.6530, -70.5620, 1.2620

Conversions

Conversions Part 2

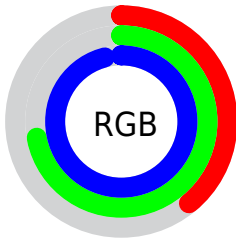
Format	Color
R _Y B	99, 153, 246
Decimal	6535414
CIE Lab	72.05, -8.00, -38.34
CIE LCh	72, 39.164, 258.210
Yxy	43.7351, 0.2212, 0.2481
Android (android.graphics.Color)	4284725494 (0xFF63B8F6)
YUV	165.6530, 39.6111, -58.4547
Hunter-Lab	66.1325, -10.4809, -37.6006

Details

The RYB color **99, 153, 246** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **246, 206, 99**, and the grayscale version is **166, 166, 166**.

A 20% lighter version of the original color is **160, 203, 255**, and **18, 86, 189** is the 20% darker color. If you saturate the color by 10%, you get **74, 137, 246**, and if you desaturate by 10%, it is **124, 169, 246**.

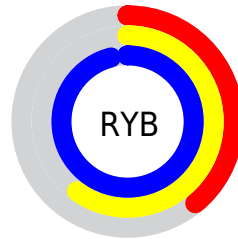
Distribution



Red (39%)

Green (72%)

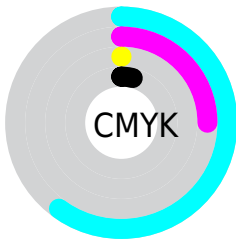
Blue (96%)



Red (39%)

Yellow (60%)

Blue (96%)

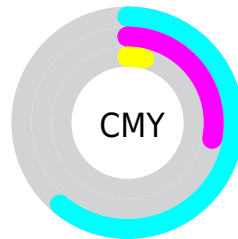


Cyan (60%)

Magenta (25%)

Yellow (0%)

Black (4%)



Cyan (61%)

















Magenta (28%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the RYB color 99, 153, 246 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, 153, 246 by changing the saturation by 10% instead.

 99, 153, 246	 99, 153, 246
 255, 255, 255	 66, 123, 217
 160, 203, 255	 18, 86, 189
 190, 223, 255	 0, 64, 162
 220, 238, 255	 0, 51, 136
 251, 253, 255	 0, 39, 110
	 0, 26, 85
	 0, 14, 62
	 0, 3, 39
	 0, 1, 17

■ 99, 153, 246

■ 99, 153, 246

■ 74, 137, 246

■ 124, 169, 246

■ 50, 122, 246

■ 148, 184, 246

■ 25, 106, 246

■ 173, 200, 246

■ 1, 91, 246

■ 197, 215, 246

■ 0, 90, 246

■ 222, 231, 246

■ 247, 246, 246

■ 246, 255, 246

Harmonies

Analogous

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



30, 119, 229



99, 153, 246



160, 171, 244

Triad

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



99, 153, 246



247, 149, 156



128, 190, 180

Complementary

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



99, 153, 246



246, 206, 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.



107, 181, 110



99, 153, 246



237, 170, 125

Square

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



99, 153, 246



237, 150, 192



179, 213, 107



91, 153, 195

Rectangle

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



99, 153, 246



194, 164, 233



179, 213, 107



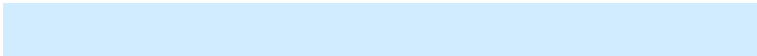
119, 188, 155

Sweetspot

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



99, 153, 246



209, 226, 255



99, 203, 246



99, 110, 128



0, 0, 0



128, 128, 128

Same Dimension

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



99, 153, 246



71, 139, 255



99, 110, 246



110, 114, 122



0, 68, 186



0, 22, 59

Inverse Universe

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



246, 99, 184



255, 71, 178



112, 246, 99



122, 110, 117



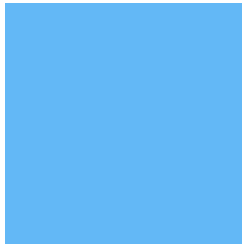
186, 0, 108



59, 0, 34

Previews

White Background



This preview shows how the RYB color 99, 153, 246 looks on a white background.

Color Contrast Check

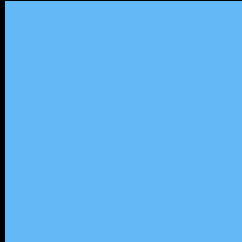
Large Text (above 18pt) WCAG AA × Fail

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 99, 153, 246 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

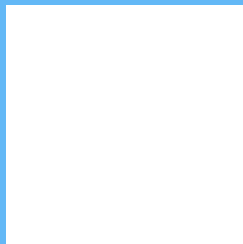
Any Text WCAG AAA ✓ Pass

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

RYB 99, 153, 246 Background



This preview shows how black text looks on a background with the RYB color 99, 153, 246.

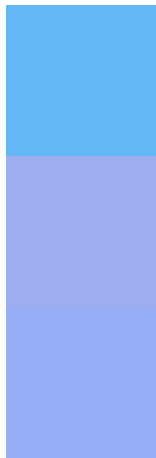


This preview shows how white text looks on a background with the RYB color 99, 153, 246.

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](#).

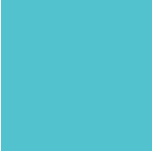
Dichromacy



Original Color
99, 153, 246

Protanopia
157, 170, 237

Deuteranopia
149, 169, 248



Tritanopia
82, 141, 207

Trichromacy



Original Color
99, 153, 246

Protanomaly
136, 165, 240

Deuteranomaly
131, 164, 247

Tritanomaly
88, 145, 221

Monochromacy



Original Color
99, 153, 246

Achromatopsia
166, 166, 166

Achromatomaly
142, 162, 195

CSS Examples

Text

The CSS property to change the color of the text to RYB 99, 153, 246 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, 184, 246)` looks like.

```
.text, #text, p{  
    color:rgb(99, 184, 246)  
}
```

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, 184, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 184, 246) }
```

Border

The CSS property to change the border of an element to RYB 99, 153, 246 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, 184, 246) }
```

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

```
.border{ border-color:rgb(99, 184, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 184, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 184, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 184, 246);  
box-shadow:4px 4px 4px 4px rgb(99, 184,  
246) }
```

Background

The CSS property to change the background color of an element to RYB 99, 153, 246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 184, 246) }
```

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

```
.background{ background-color: rgb(99, 184,  
246) }
```

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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