

Converting Colors

`RYB(99, 164, 255)`

Have a look what the booklet for
RYB(99, 164, 255) contains.

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Color

`RYB(99, 164, 255)`

Conversions

Conversions Part 1

Format	Color
Hex	63D2FF
RGB	99, 210, 255
RGB Percent	39%, 82%, 100%
CMY	0.6118, 0.1748, 0.0000
CMYK	0.61, 0.17, 0.00, 0.00
HSL	197°, 100%, 69%
HSV	197°, 61%, 100%
XYZ	46.3481, 56.1777, 103.0083
YIQ	181.9410, -80.6010, -9.5370

Conversions

Conversions Part 2

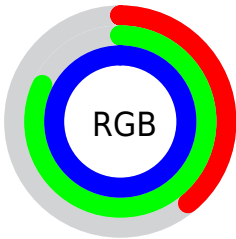
Format	Color
R _Y B	99, 164, 255
Decimal	6542079
CIE Lab	79.71, -19.01, -31.31
CIE LCh	80, 36.631, 238.733
Yxy	56.1777, 0.2255, 0.2733
Android (android.graphics.Color)	4284732159 (0xFF63D2FF)
YUV	181.9410, 36.0181, -72.7393
Hunter-Lab	74.9518, -20.7862, -29.0176

Details

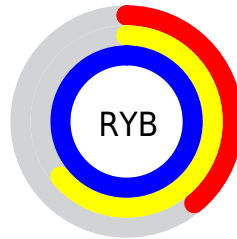
The RYB color **99, 164, 255** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **255, 162, 99**, and the grayscale version is **182, 182, 182**.

A 20% lighter version of the original color is **162, 209, 255**, and **1, 87, 198** is the 20% darker color. If you saturate the color by 10%, you get **73, 149, 255**, and if you desaturate by 10%, it is **124, 179, 255**.

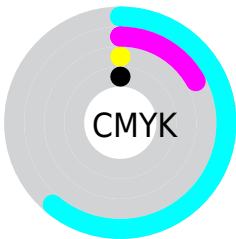
Distribution



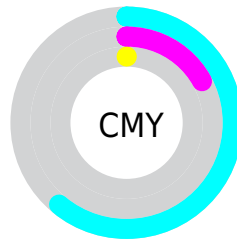
- Red (39%)
- Green (82%)
- Blue (100%)



- Red (39%)
- Yellow (64%)
- Blue (100%)



- Cyan (61%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)



















- Cyan (61%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RYB color 99, 164, 255 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, 164, 255 by changing the saturation by 10% instead.

 99, 164, 255	 99, 164, 255
 255, 255, 255	 64, 133, 226
 162, 209, 255	 1, 88, 198
 192, 224, 255	 0, 74, 171
 223, 239, 255	 0, 60, 144
 254, 255, 255	 0, 48, 118
	 0, 35, 93
	 0, 24, 69
	 0, 4, 47
	 0, 1, 26

■ 99, 164, 255

■ 99, 164, 255

■ 73, 149, 255

■ 124, 179, 255

■ 48, 134, 255

■ 150, 194, 255

■ 22, 119, 255

■ 176, 209, 255

■ 0, 106, 255

■ 201, 224, 255

■ 227, 239, 255

■ 252, 253, 255

■ 255, 255, 255

Harmonies

Analogous

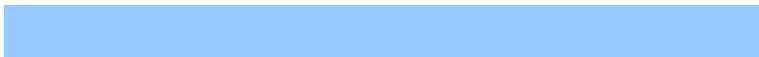
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80, 151, 229



99, 164, 255



149, 184, 255

Triad

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



99, 164, 255



255, 172, 200



137, 205, 155

Complementary

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



99, 164, 255



255, 162, 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.



167, 222, 129



99, 164, 255



255, 175, 166

Square

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



99, 164, 255



240, 178, 234



250, 211, 140



147, 201, 213

Rectangle

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



99, 164, 255



184, 192, 255



250, 211, 140



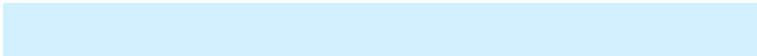
132, 202, 135

Sweetspot

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



99, 164, 255



209, 228, 255



99, 221, 255



99, 111, 128



0, 0, 0



128, 128, 128

Same Dimension

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



99, 164, 255



69, 147, 255



99, 127, 255



115, 120, 128



0, 80, 191



0, 27, 64

Inverse Universe

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



255, 99, 210



255, 69, 202



142, 255, 99



128, 115, 124



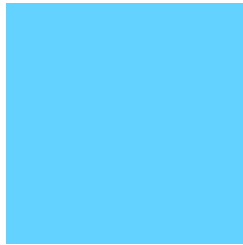
191, 0, 137



64, 0, 46

Previews

White Background



This preview shows how the RYB color 99, 164, 255 looks on a white background.

Color Contrast Check

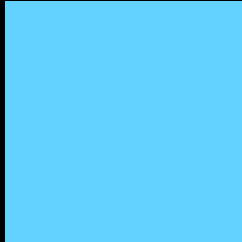
Large Text (above 18pt) WCAG AA × Fail

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, 164, 255 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

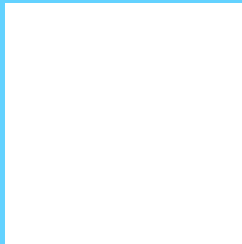
Any Text WCAG AAA ✓ Pass

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

R Y B 99, 164, 255 Background



This preview shows how black text looks on a background with the RYB color 99, 164, 255.

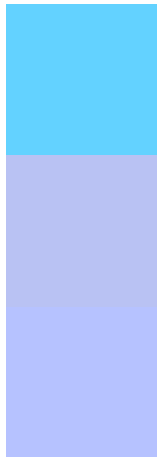


This preview shows how white text looks on a background with the RYB color 99, 164, 255.

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](#).

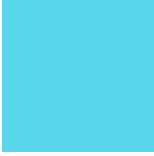
Dichromacy



Original Color
99, 164, 255

Protanopia
185, 193, 243

Deuteranopia
182, 192, 255



Tritanopia
88, 155, 232

Trichromacy



Original Color

99, 164, 255



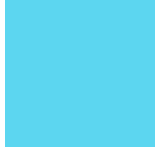
Protanomaly

154, 185, 247



Deuteranomaly

152, 184, 255



Tritanomaly

92, 159, 240

Monochromacy



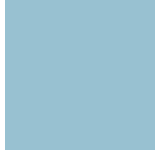
Original Color

99, 164, 255



Achromatopsia

182, 182, 182



Achromatomaly

152, 176, 209

CSS Examples

Text

The CSS property to change the color of the text to RYB 99, 164, 255 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, 210, 255)` looks like.

```
.text, #text, p{  
    color:rgb(99, 210, 255)  
}
```

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, 210, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 210, 255) }
```

Border

The CSS property to change the border of an element to RYB 99, 164, 255 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, 210, 255) }
```

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

```
.border{ border-color:rgb(99, 210, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 210, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 210, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 210, 255);  
box-shadow:4px 4px 4px 4px rgb(99, 210,  
255) }
```

Background

The CSS property to change the background color of an element to RGB 99, 164, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 210, 255) }
```

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

```
.background{ background-color: rgb(99, 210,  
255) }
```

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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