

Converting Colors

`RYB(99, 140, 230)`

Have a look what the booklet for
RYB(99, 140, 230) contains.

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Color

RYB(99, 140, 230)

Conversions

Conversions Part 1	
Format	Color
Hex	639FE6
RGB	99, 159, 230
RGB Percent	39%, 62%, 90%
CMY	0.6118, 0.3777, 0.0980
CMYK	0.57, 0.31, 0.00, 0.10
HSL	213°, 72%, 65%
HSV	213°, 57%, 90%
XYZ	31.7713, 33.0514, 79.5679
YIQ	149.1540, -58.5510, 9.3610

Conversions

Conversions Part 2

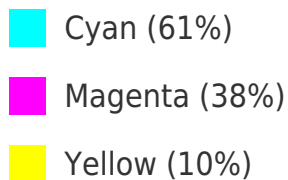
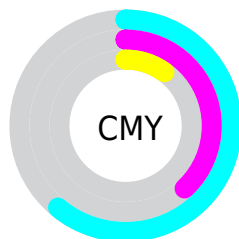
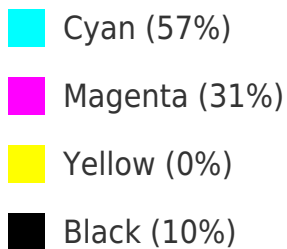
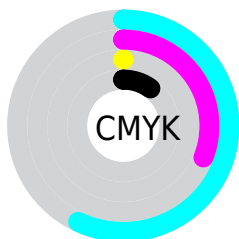
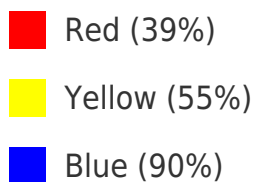
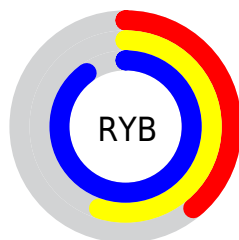
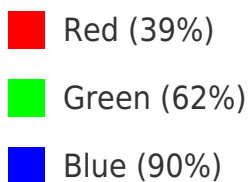
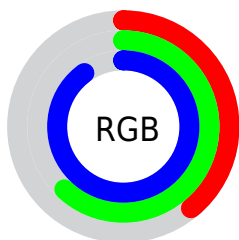
Format	Color
RYB	99, 140, 230
Decimal	6528998
CIELab	64.20, 1.30, -41.86
CIELCh	64, 41.885, 271.785
Yxy	33.0514, 0.2200, 0.2289
Android (android.graphics.Color)	4284719078 (0xFF639FE6)
YUV	149.1540, 39.8571, -43.9851
Hunter-Lab	57.4904, -1.9624, -41.8154

Details

The RYB color **99, 140, 230** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **210, 230, 99**, and the grayscale version is **149, 149, 149**.

A 20% lighter version of the original color is **158, 193, 255**, and **29, 80, 174** is the 20% darker color. If you saturate the color by 10%, you get **76, 124, 230**, and if you desaturate by 10%, it is **122, 156, 230**.


Distribution



Brightness & Saturation Gradients

These gradients show how the RYB color 99, 140, 230 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, 140, 230 by changing the saturation by 10% instead.

 99, 140, 230


255, 255, 255


 158, 193, 255

 187, 217, 255

 217, 236, 255

 247, 251, 255

 99, 140, 230

 68, 112, 202

 29, 80, 174

 0, 53, 147

 0, 41, 121


 0, 28, 96


 0, 15, 72


 0, 4, 49

 0, 1, 27


 0, 0, 0

 99, 140, 230

 99, 140, 230

 76, 124, 230

 122, 156, 230

 53, 109, 230

 145, 172, 230

 30, 93, 230

 168, 187, 230

 7, 77, 230

 191, 203, 230

 0, 72, 230

 214, 219, 230

 235, 237, 230

 244, 255, 230

 230, 255, 230

Harmonies

Analogous

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



0, 96, 221



99, 140, 230



162, 145, 219

Triad

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



99, 140, 230



225, 130, 118



91, 151, 172

Complementary

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



99, 140, 230



210, 230, 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.



90, 165, 117



99, 140, 230



207, 180, 90

Square

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



99, 140, 230



225, 125, 155



109, 177, 79



0, 92, 175

Rectangle

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



99, 140, 230



192, 136, 202



109, 177, 79



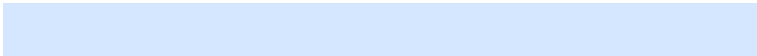
108, 170, 170

Sweetspot

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



99, 140, 230



212, 225, 255



99, 184, 230



102, 110, 128



0, 0, 0



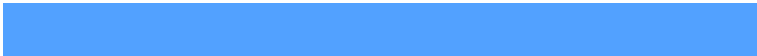
128, 128, 128

Same Dimension

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



99, 140, 230



82, 136, 255



103, 99, 230



103, 107, 115



0, 56, 179



0, 16, 51

Inverse Universe

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



230, 99, 159



255, 82, 161



99, 230, 103



115, 103, 109



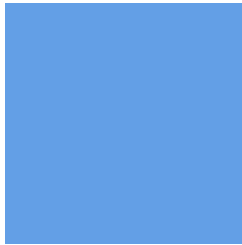
179, 0, 81



51, 0, 23

Previews

White Background



This preview shows how the RYB color 99, 140, 230 looks on a white background.

Color Contrast Check

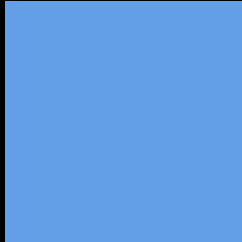
Large Text (above 18pt) WCAG AA × Fail

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, 140, 230 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

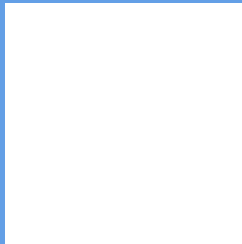
Any Text WCAG AAA ✓ Pass

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

RYB 99, 140, 230 Background



This preview shows how black text looks on a background with the RYB color 99, 140, 230.

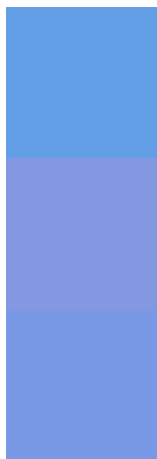


This preview shows how white text looks on a background with the RYB color 99, 140, 230.

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, 140, 230

Protanopia

131, 148, 225

Deuteranopia

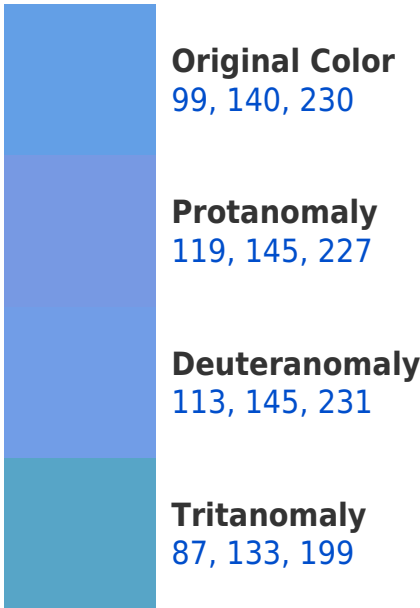
121, 146, 231



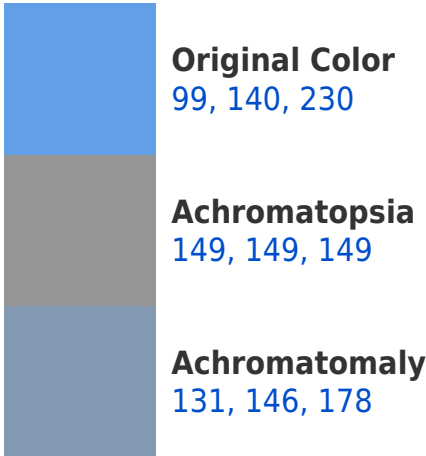
Tritanopia

80, 127, 182

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RGB 99, 140, 230 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, 159, 230) looks like.

```
.text, #text, p{  
    color:rgb(99, 159, 230)  
}
```

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, 159, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 159, 230) }
```

Border

The CSS property to change the border of an element to RYB 99, 140, 230 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, 159, 230) }
```

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

```
.border{ border-color:rgb(99, 159, 230) }
```

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

Here you see how a box with a 4 pixel rgb(99, 159, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 159, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 159, 230);  
box-shadow:4px 4px 4px 4px rgb(99, 159,  
230) }
```

Background

The CSS property to change the background color of an element to RGB 99, 140, 230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 159, 230) }
```

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

```
.background{ background-color: rgb(99, 159,  
230) }
```

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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