

Converting Colors

`RYB(99, 80, 193)`

Have a look what the booklet for
RYB(99, 80, 193) contains.

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Color

R_YB(99, 80, 193)

Conversions

Conversions Part 1

Format	Color
Hex	6350C1
RGB	99, 80, 193
RGB Percent	39%, 31%, 76%
CMY	0.6118, 0.6863, 0.2431
CMYK	0.49, 0.59, 0.00, 0.24
HSL	250°, 48%, 54%
HSV	250°, 59%, 76%
XYZ	17.6399, 12.2402, 51.8850
YIQ	98.5630, -24.9490, 39.1710

Conversions

Conversions Part 2

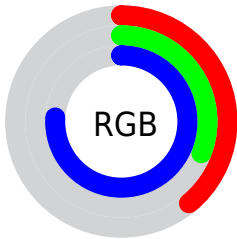
Format	Color
R_{YB}	99, 80, 193
Decimal	6508737
CIE _{Lab}	41.60, 36.95, -56.91
CIE _{LCh}	42, 67.855, 302.992
Yxy	12.2402, 0.2157, 0.1497
Android (android.graphics.Color)	4284698817 (0xFF6350C1)
YUV	98.5630, 46.5574, 0.3832
Hunter-Lab	34.9860, 28.7738, -63.4380

Details

The RYB color **99, 80, 193** is a dark color, and the websafe version is hex **6666CC**. The color can be described as dark muted purple. A complement of this color would be **80, 193, 99**, and the grayscale version is **98, 98, 98**.

A 20% lighter version of the original color is **156, 130, 250**, and **38, 34, 138** is the 20% darker color. If you saturate the color by 10%, you get **83, 61, 193**, and if you desaturate by 10%, it is **115, 99, 193**.

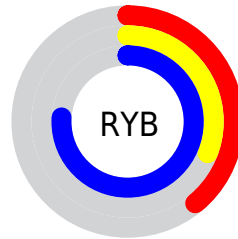
Distribution



Red (39%)

Green (31%)

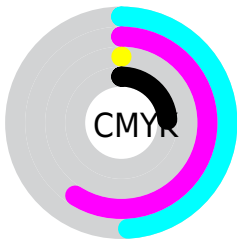
Blue (76%)



Red (39%)

Yellow (31%)

Blue (76%)

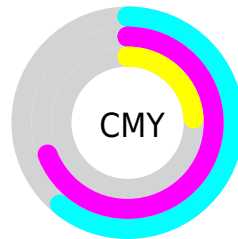


Cyan (49%)

Magenta (59%)

Yellow (0%)

Black (24%)



Cyan (61%)

Magenta (69%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the RYB color 99, 80, 193 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, 80, 193 by changing the saturation by 10% instead.

 99, 80, 193

 99, 80, 193


255, 255, 255

 70, 56, 165

 156, 130, 250

 38, 34, 138

 185, 156, 255

 0, 11, 112

 214, 183, 255

 0, 0, 87

 243, 211, 255

 0, 5, 63

 255, 240, 255

 0, 3, 40

 0, 1, 18

 0, 0, 0

 99, 80, 193

 99, 80, 193

■ 83, 61, 193

■ 115, 99, 193

■ 67, 41, 193

■ 131, 119, 193

■ 51, 22, 193

■ 147, 138, 193

■ 35, 3, 193

■ 163, 157, 193

■ 32, 0, 193

■ 179, 177, 193

■ 193, 196, 194

■ 193, 215, 197

■ 193, 234, 200

■ 193, 254, 204

Harmonies

Analogous

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



0, 70, 211



99, 80, 193



167, 44, 150

Triad

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



99, 80, 193



158, 143, 0



0, 66, 121

Complementary

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



99, 80, 193



80, 193, 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.



0, 86, 118



99, 80, 193



20, 115, 0

Square

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



99, 80, 193



187, 40, 41



0, 112, 56



0, 69, 158

Rectangle

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



99, 80, 193



188, 16, 114



0, 112, 56



0, 72, 121

Sweetspot

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



99, 80, 193



212, 205, 250



80, 131, 193



102, 97, 125



252, 252, 252



125, 125, 125

Same Dimension

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



99, 80, 193



104, 75, 250



155, 80, 193



89, 87, 97



27, 0, 161



6, 0, 33

Inverse Universe

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



193, 80, 174



250, 75, 220



80, 193, 155



97, 87, 95



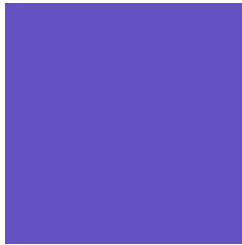
161, 0, 134



33, 0, 28

Previews

White Background



This preview shows how the RYB color 99, 80, 193 looks on a white 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

Black Background



This preview shows how the RYB color 99, 80, 193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

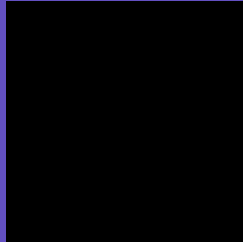
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

R Y B 99, 80, 193 Background



This preview shows how black text looks on a background with the RYB color 99, 80, 193.

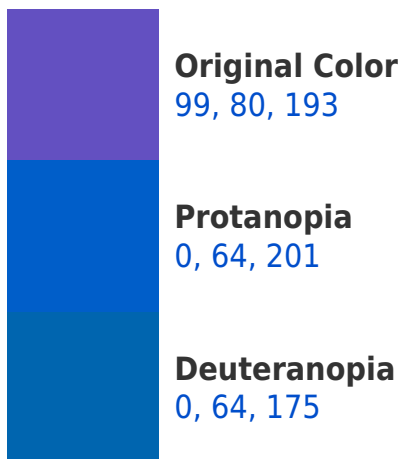


This preview shows how white text looks on a background with the RYB color 99, 80, 193.

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





Tritanopia
75, 90, 111

Trichromacy



Original Color

99, 80, 193



Protanomaly

36, 76, 198



Deuteranomaly

36, 77, 182



Tritanomaly

84, 93, 141

Monochromacy



Original Color

99, 80, 193



Achromatopsia

99, 99, 99



Achromatomaly

99, 92, 133

CSS Examples

Text

The CSS property to change the color of the text to RYB 99, 80, 193 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, 80, 193)` looks like.

```
.text, #text, p{  
    color:rgb(99, 80, 193)  
}
```

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, 80, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 80, 193) }
```

Border

The CSS property to change the border of an element to RYB 99, 80, 193 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, 80, 193) }
```

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

```
.border{ border-color:rgb(99, 80, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 80, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 80, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 80, 193);  
box-shadow:4px 4px 4px 4px rgb(99, 80,  
193) }
```

Background

The CSS property to change the background color of an element to RYB 99, 80, 193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 80, 193) }
```

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

```
.background{ background-color: rgb(99, 80,  
193) }
```

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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