

Converting Colors

R_YB(96, 82, 211)

Have a look what the booklet for
RYB(96, 82, 211) contains.

RYB(96, 82, 211)	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

R_YB(96, 82, 211)

Conversions

Conversions Part 1

Format	Color
Hex	6052D3
RGB	96, 82, 211
RGB Percent	38%, 32%, 83%
CMY	0.6235, 0.6784, 0.1725
CMYK	0.55, 0.61, 0.00, 0.17
HSL	247°, 59%, 57%
HSV	247°, 61%, 83%
XYZ	19.5990, 13.2245, 63.1476
YIQ	100.8920, -33.0650, 43.0870

Conversions

Conversions Part 2

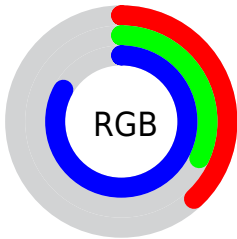
Format	Color
R _Y B	96, 82, 211
Decimal	6312659
CIE Lab	43.10, 40.65, -64.89
CIE LCh	43, 76.574, 302.067
Yxy	13.2245, 0.2042, 0.1378
Android (android.graphics.Color)	4284502739 (0xFF6052D3)
YUV	100.8920, 54.2832, -4.2903
Hunter-Lab	36.3655, 32.5620, -77.4993

Details

The RYB color **96, 82, 211** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted purple. A complement of this color would be **82, 211, 96**, and the grayscale version is **100, 100, 100**.

A 20% lighter version of the original color is **155, 132, 255**, and **25, 35, 155** is the 20% darker color. If you saturate the color by 10%, you get **77, 61, 211**, and if you desaturate by 10%, it is **115, 103, 211**.

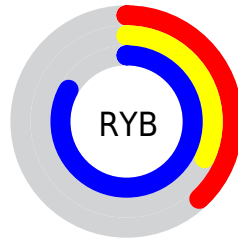
Distribution



Red (38%)

Green (32%)

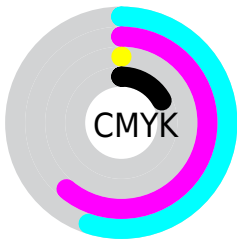
Blue (83%)



Red (38%)

Yellow (32%)

Blue (83%)

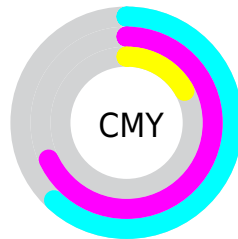


Cyan (55%)

Magenta (61%)

Yellow (0%)

Black (17%)



Cyan (62%)


















Magenta (68%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the RYB color 96, 82, 211 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 96, 82, 211 by changing the saturation by 10% instead.

 96, 82, 211	 96, 82, 211
 255, 255, 255	 65, 58, 183
 155, 132, 255	 25, 35, 155
 185, 159, 255	 0, 13, 129
 214, 186, 255	 0, 0, 103
 244, 214, 255	 0, 1, 78
 255, 242, 255	 0, 5, 54
	 0, 2, 32
	 0, 0, 3
	 0, 0, 0

■ 96, 82, 211

■ 96, 82, 211

■ 77, 61, 211

■ 115, 103, 211

■ 58, 40, 211

■ 134, 124, 211

■ 40, 19, 211

■ 152, 145, 211

■ 23, 0, 211

■ 171, 166, 211

■ 190, 187, 211

■ 209, 209, 211

■ 211, 230, 213

■ 211, 251, 216

■ 211, 255, 211

Harmonies

Analogous

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



0, 74, 231



96, 82, 211



178, 34, 162

Triad

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



96, 82, 211



169, 129, 0



0, 70, 127

Complementary

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



96, 82, 211



82, 211, 96

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, 97, 124



96, 82, 211



24, 121, 0

Square

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



96, 82, 211



201, 23, 39



0, 116, 63



0, 72, 168

Rectangle

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



96, 82, 211



202, 0, 122



0, 116, 63



0, 76, 126

Sweetspot

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



96, 82, 211



214, 209, 255



82, 143, 211



102, 99, 128



0, 0, 0



128, 128, 128

Same Dimension

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



96, 82, 211



89, 69, 255



159, 82, 211



95, 94, 105



18, 0, 168



4, 0, 41

Inverse Universe

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



211, 82, 197



255, 69, 235



82, 211, 159



105, 94, 103



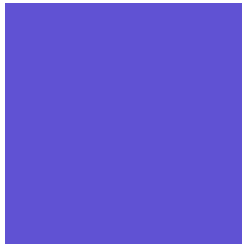
168, 0, 150



41, 0, 36

Previews

White Background



This preview shows how the RYB color 96, 82, 211 looks on a white background.

Color Contrast Check

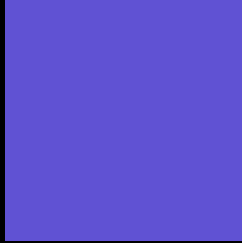
Large Text (above 18pt) WCAG AA ✓ Pass

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 96, 82, 211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

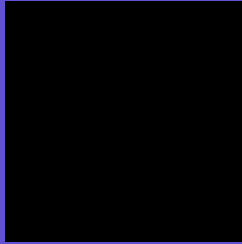
Any Text WCAG AA × Fail

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 96, 82, 211 Background



This preview shows how black text looks on a background with the RYB color 96, 82, 211.

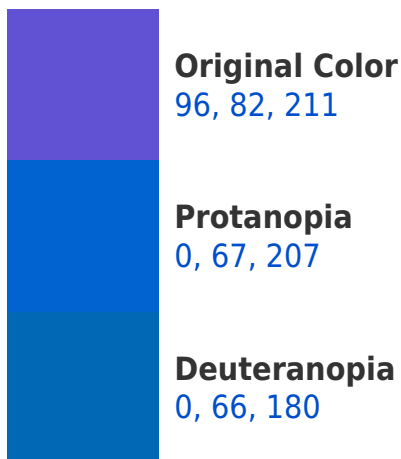


This preview shows how white text looks on a background with the RYB color 96, 82, 211.

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
63, 88, 117

Trichromacy



Original Color

96, 82, 211



Protanomaly

35, 78, 208



Deuteranomaly

35, 79, 191



Tritanomaly

75, 93, 151

Monochromacy



Original Color

96, 82, 211



Achromatopsia

101, 101, 101



Achromatomaly

99, 94, 141

CSS Examples

Text

The CSS property to change the color of the text to RYB 96, 82, 211 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(96, 82, 211)` looks like.

```
.text, #text, p{  
    color:rgb(96, 82, 211)  
}
```

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(96, 82, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 82, 211) }
```

Border

The CSS property to change the border of an element to RYB 96, 82, 211 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(96, 82, 211) }
```

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

```
.border{ border-color:rgb(96, 82, 211) }
```

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

Here you see how a box with a 4 pixel rgb(96, 82, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 82, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 82, 211);  
box-shadow:4px 4px 4px 4px rgb(96, 82,  
211) }
```

Background

The CSS property to change the background color of an element to RYB 96, 82, 211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 82, 211) }
```

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

```
.background{ background-color: rgb(96, 82,  
211) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor