

Converting Colors

RGB(87, 67, 161)

Have a look what the booklet for
RGB(87, 67, 161) contains.

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Color

RGB(87, 67, 161)

Conversions

Conversions Part 1

Format	Color
Hex	5743A1
RGB	87, 67, 161
RGB Percent	34%, 26%, 63%
CMY	0.6588, 0.7373, 0.3686
CMYK	0.46, 0.58, 0.00, 0.37
HSL	253°, 41%, 45%
HSV	253°, 58%, 63%
XYZ	12.3707, 8.6138, 34.7288
YIQ	83.6960, -18.2540, 33.4740

Conversions

Conversions Part 2

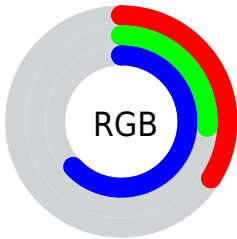
Format	Color
RYB	87, 67, 161
Decimal	5718945
CIELab	35.23, 32.57, -48.32
CIElCh	35, 58.274, 303.982
Yxy	8.6138, 0.2220, 0.1546
Android (android.graphics.Color)	4283909025 (0xFF5743A1)
YUV	83.6960, 38.1109, 2.8976
Hunter-Lab	29.3492, 23.8765, -49.6133

Details

The RGB color **87, 67, 161** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **141, 161, 67**, and the grayscale version is **83, 83, 83**.

A 20% lighter version of the original color is **142, 116, 217**, and **30, 22, 108** is the 20% darker color. If you saturate the color by 10%, you get **74, 51, 161**, and if you desaturate by 10%, it is **100, 83, 161**.

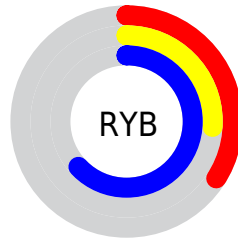
Distribution



Red (34%)

Green (26%)

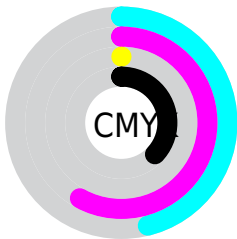
Blue (63%)



Red (34%)

Yellow (26%)

Blue (63%)

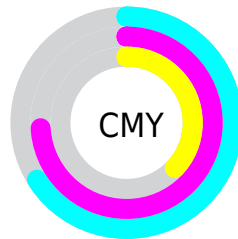


Cyan (46%)

Magenta (58%)

Yellow (0%)

Black (37%)



Cyan (66%)

Magenta (74%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the RGB color 87, 67, 161 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 RGB color 87, 67, 161 by changing the saturation by 10% instead.



87, 67, 161



87, 67, 161

255, 255, 255



60, 44, 134



142, 116, 217



30, 22, 108



170, 142, 245



0, 1, 84



198, 168, 255



0, 0, 60



227, 196, 255



0, 2, 37



255, 224, 255



0, 1, 13



255, 252, 255



0, 0, 0



87, 67, 161



87, 67, 161



74, 51, 161



100, 83, 161

■ 62, 35, 161

■ 112, 99, 161

■ 49, 19, 161

■ 125, 115, 161

■ 36, 3, 161

■ 138, 131, 161

■ 34, 0, 161

■ 150, 147, 161

■ 163, 164, 161

■ 176, 180, 161

■ 188, 196, 161

■ 201, 212, 161

Harmonies

Analogous

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



0, 87, 177



87, 67, 161



142, 38, 125

Triad

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



87, 67, 161



133, 64, 0



0, 103, 88

Complementary

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



87, 67, 161



141, 161, 67

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, 100, 39



87, 67, 161



96, 83, 0

Square

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



87, 67, 161



157, 37, 34



46, 94, 0



0, 102, 134

Rectangle

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



87, 67, 161



158, 19, 94



46, 94, 0



0, 102, 72

Sweetspot

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



87, 67, 161



179, 171, 209



67, 142, 161



86, 82, 105



232, 232, 232



105, 105, 105

Same Dimension

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



87, 67, 161



94, 63, 209



133, 67, 161



75, 73, 82



31, 0, 145



4, 0, 18

Inverse Universe

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



161, 67, 141



209, 63, 178



95, 161, 67



82, 73, 80



145, 0, 114



18, 0, 14

Previews

White Background



This preview shows how the RGB color 87, 67, 161 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 ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

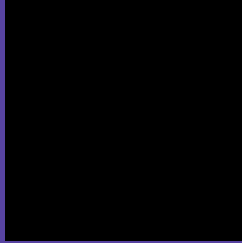
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

RGB 87, 67, 161 Background



This preview shows how black text looks on a background with the RGB color 87, 67, 161.

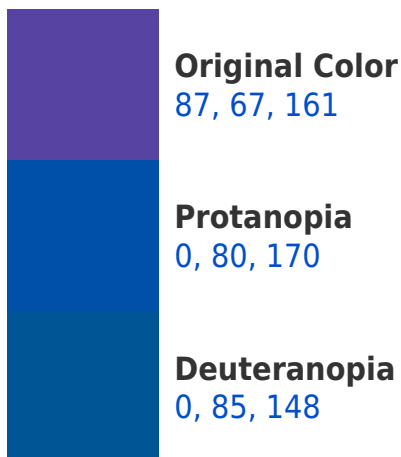


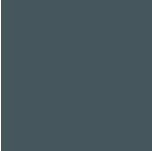
This preview shows how white text looks on a background with the RGB color 87, 67, 161.

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

69, 86, 92

Trichromacy



Original Color
87, 67, 161

Protanomaly
32, 75, 167

Deuteranomaly
32, 78, 153

Tritanomaly
76, 79, 117

Monochromacy



Original Color
87, 67, 161

Achromatopsia
84, 84, 84

Achromatomaly
85, 78, 112

CSS Examples

Text

The CSS property to change the color of the text to RGB 87, 67, 161 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(87, 67, 161) looks like.

```
.text, #text, p{  
    color:rgb(87, 67, 161)  
}
```

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(87, 67, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 67, 161) }
```

Border

The CSS property to change the border of an element to RGB 87, 67, 161 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(87, 67, 161) }
```

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

```
.border{ border-color:rgb(87, 67, 161) }
```

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

Here you see how a box with a 4 pixel rgb(87, 67, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 67, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 67, 161);  
box-shadow:4px 4px 4px 4px rgb(87, 67,  
161) }
```

Background

The CSS property to change the background color of an element to RGB 87, 67, 161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 67, 161) }
```

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

```
.background{ background-color: rgb(87, 67,  
161) }
```

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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