

Converting Colors

RGB(87, 19, 176)

Have a look what the booklet for
RGB(87, 19, 176) contains.

RGB(87, 19, 176)	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

RGB(87, 19, 176)

Conversions

Conversions Part 1

Format	Color
Hex	5713B0
RGB	87, 19, 176
RGB Percent	34%, 7%, 69%
CMY	0.6588, 0.9255, 0.3098
CMYK	0.51, 0.89, 0.00, 0.31
HSL	266°, 81%, 38%
HSV	266°, 89%, 69%
XYZ	11.9998, 5.6266, 41.5279
YIQ	57.2300, -9.8690, 63.2430

Conversions

Conversions Part 2

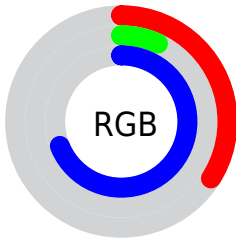
Format	Color
R_{YB}	87, 19, 176
Decimal	5706672
CIE _{Lab}	28.45, 59.24, -68.40
CIE _{LCh}	28, 90.487, 310.892
Yxy	5.6266, 0.2029, 0.0951
Android (android.graphics.Color)	4283896752 (0xFF5713B0)
YUV	57.2300, 58.5536, 26.1083
Hunter-Lab	23.7204, 48.7900, -87.1962

Details

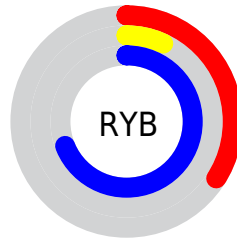
The RGB color **87, 19, 176** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **108, 176, 19**, and the grayscale version is **57, 57, 57**.

A 20% lighter version of the original color is **146, 76, 233**, and **12, 0, 122** is the 20% darker color. If you saturate the color by 10%, you get **77, 1, 176**, and if you desaturate by 10%, it is **97, 37, 176**.

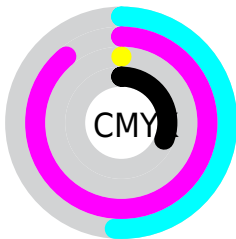
Distribution



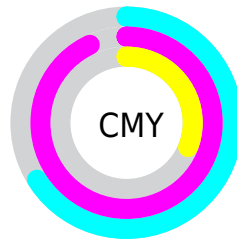
- Red (34%)
- Green (7%)
- Blue (69%)



- Red (34%)
- Yellow (7%)
- Blue (69%)



- Cyan (51%)
- Magenta (89%)
- Yellow (0%)
- Black (31%)




- Cyan (66%)
- Magenta (93%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the RGB color 87, 19, 176 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, 19, 176 by changing the saturation by 10% instead.

 87, 19, 176

 87, 19, 176

255, 255, 255

 56, 0, 149

 146, 76, 233

 12, 0, 122

 175, 102, 255

 0, 0, 96

 205, 129, 255

 0, 1, 71

 235, 157, 255

 0, 4, 48


 255, 184, 255


 0, 1, 26

 255, 213, 255

 0, 0, 0

 255, 242, 255

 87, 19, 176

 87, 19, 176

■ 77, 1, 176

■ 97, 37, 176

■ 76, 0, 176

■ 107, 54, 176

■ 117, 72, 176

■ 127, 89, 176

■ 137, 107, 176

■ 147, 125, 176

■ 157, 142, 176

■ 167, 160, 176

■ 177, 177, 176

Harmonies

Analogous

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



0, 72, 210



87, 19, 176



161, 0, 115

Triad

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



87, 19, 176



118, 45, 0



0, 90, 92

Complementary

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



87, 19, 176



108, 176, 19

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, 88, 13



87, 19, 176



59, 73, 0

Square

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



87, 19, 176



159, 0, 0



0, 84, 0



0, 92, 160

Rectangle

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



87, 19, 176



177, 0, 69



0, 84, 0



0, 89, 68

Sweetspot

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



87, 19, 176



194, 168, 230



19, 111, 176



94, 78, 115



242, 242, 242



115, 115, 115

Same Dimension

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



87, 19, 176



99, 0, 230



163, 19, 176



84, 80, 89



66, 0, 153



11, 0, 26

Inverse Universe

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



176, 19, 108



230, 0, 130



32, 176, 19



89, 80, 85



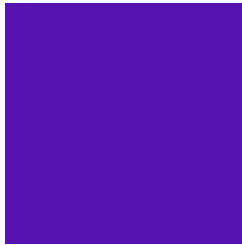
153, 0, 87



26, 0, 14

Previews

White Background



This preview shows how the RGB color 87, 19, 176 looks on a white background.

Color Contrast Check

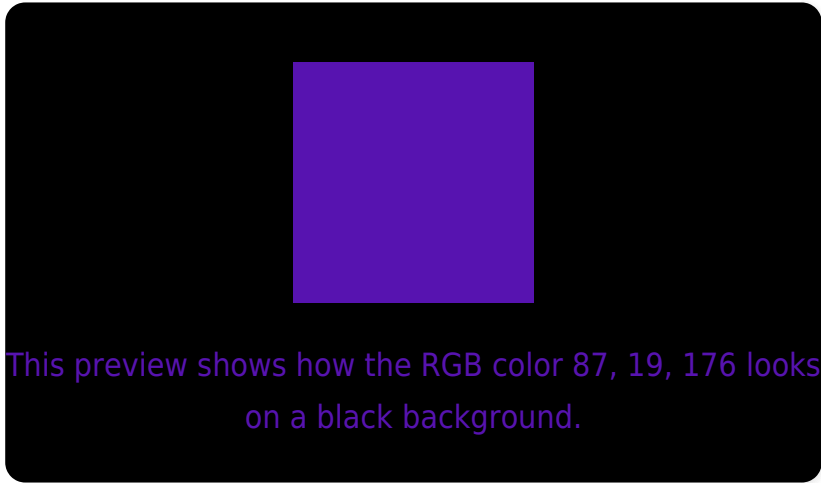
Large Text (above 18pt) WCAG AA ✓ Pass

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

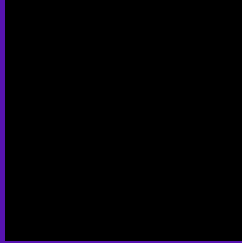
Any Text WCAG AA × Fail

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, 19, 176 Background



This preview shows how black text looks on a background with the RGB color 87, 19, 176.



This preview shows how white text looks on a background with the RGB color 87, 19, 176.

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

58, 70, 76

Trichromacy



Original Color

87, 19, 176

Protanomaly

32, 49, 152

Deuteranomaly

32, 51, 140

Tritanomaly

69, 51, 112

Monochromacy



Original Color

87, 19, 176

Achromatopsia

57, 57, 57

Achromatomaly

68, 43, 100

CSS Examples

Text

The CSS property to change the color of the text to RGB 87, 19, 176 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, 19, 176)` looks like.

```
.text, #text, p{  
    color:rgb(87, 19, 176)  
}
```

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, 19, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 19, 176) }
```

Border

The CSS property to change the border of an element to RGB 87, 19, 176 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, 19, 176) }
```

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

```
.border{ border-color:rgb(87, 19, 176) }
```

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

Here you see how a box with a 4 pixel rgb(87, 19, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 19, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 19, 176);  
box-shadow:4px 4px 4px 4px rgb(87, 19,  
176) }
```

Background

The CSS property to change the background color of an element to RGB 87, 19, 176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 19, 176) }
```

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

```
.background{ background-color: rgb(87, 19,  
176) }
```

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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