Converting Colors

RGB(83, 37, 186)

Have a look what the booklet for RGB(83, 37, 186) contains.

Color

RGB(83, 37, 186)

Conversions

Conversions Part 1

Format	Color
Hex	5325BA
RGB	83, 37, 186
RGB Percent	33%, 15%, 73%
CMY	0.6745, 0.8549, 0.2706
CMYK	0.55, 0.80, 0.00, 0.27
HSL	259°, 67%, 44%
HSV	259°, 80%, 73%
XYZ	13.0918, 6.7073, 47.0590
YIQ	67.7400, -20.4130, 56.0910

Conversions

Conversions Part 2

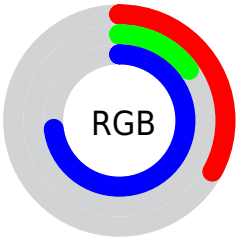
Format	Color
RYB	83, 37, 186
Decimal	5449146
CIELab	31.13, 55.07, -69.95
CIELCh	31, 89.028, 308.211
Yxy	6.7073, 0.1958, 0.1003
Android (android.graphics.Color)	4283639226 (0xFF5325BA)
YUV	67.7400, 58.3022, 13.3830
Hunter-Lab	25.8985, 44.9101, -89.6044

Details

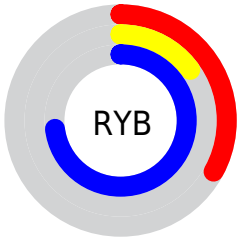
The RGB color 83, 37, 186 is a dark color, and the websafe version is hex 6633CC. A complement of this color would be 140, 186, 37, and the grayscale version is 67, 67, 67.

A 20% lighter version of the original color is 143, 88, 243, and 0, 0, 131 is the 20% darker color. If you saturate the color by 10%, you get 70, 18, 186, and if you desaturate by 10%, it is 96, 56, 186.

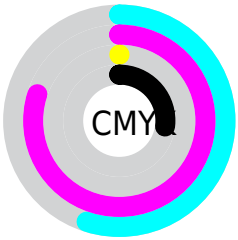
Distribution



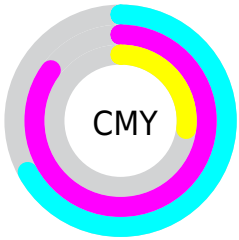
- Red (33%)
- Green (15%)
- Blue (73%)



- Red (33%)
- Yellow (15%)
- Blue (73%)



- Cyan (55%)
- Magenta (80%)
- Yellow (0%)
- Black (27%)



- Cyan (67%)
- Magenta (85%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the RGB color 83, 37, 186 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 83, 37, 186 by changing the saturation by 10% instead.

83, 37, 186	83, 37, 186
255, 255, 255	50, 6, 158
143, 88, 243	0, 0, 131
172, 115, 255	0, 0, 105
202, 141, 255	0, 0, 80
232, 168, 255	0, 5, 56
255, 196, 255	0, 2, 34
255, 225, 255	0, 0, 7
255, 254, 255	0, 0, 0

83, 37, 186	83, 37, 186

70, 18, 186

57, 0, 186

96, 56, 186

109, 74, 186

122, 93, 186

134, 111, 186

147, 130, 186

160, 149, 186

173, 167, 186

186, 186, 186

199, 204, 186

Harmonies

Analogous

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

0, 79, 216

83, 37, 186

164, 0, 127

Triad

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

83, 37, 186

130, 47, 0

0, 97, 92

Complementary

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

83, 37, 186

140, 186, 37

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, 95, 10

83, 37, 186

73, 77, 0

Square

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

83, 37, 186

169, 0, 0

0, 90, 0

0, 98, 160

Rectangle

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

83, 37, 186

183, 0, 81

0, 90, 0

0, 96, 67

Sweetspot

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

83, 37, 186

202, 184, 242

37, 141, 186

98, 87, 122

250, 250, 250

122, 122, 122

Same Dimension

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

83, 37, 186

81, 10, 242

156, 37, 186

85, 83, 92

48, 0, 156

9, 0, 28

Inverse Universe

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

186, 37, 140

242, 10, 170

67, 186, 37

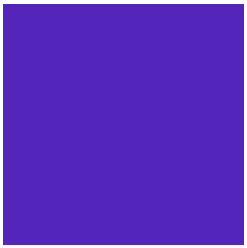
92, 83, 89

156, 0, 108

28, 0, 19

Previews

White Background

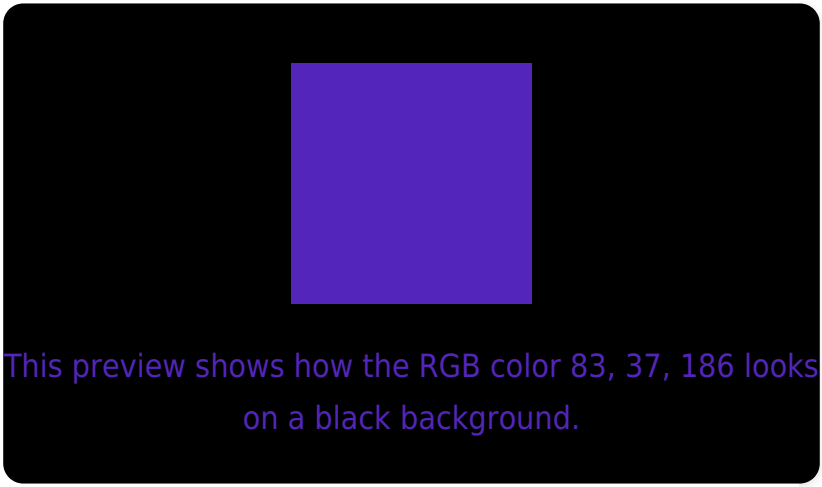


This preview shows how the RGB color 83, 37, 186 looks on a white background.

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



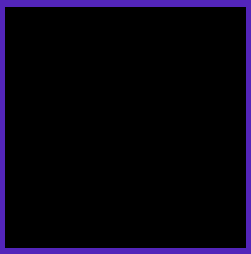
This preview shows how the RGB color 83, 37, 186 looks on a black background.

Color Contrast Check

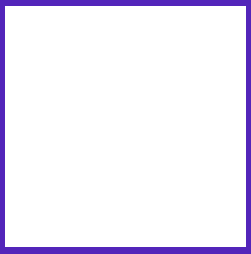
Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

RGB 83, 37, 186 Background



This preview shows how black text looks on a background with the RGB color 83, 37, 186.



This preview shows how white text looks on a background with the RGB color 83, 37, 186.

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
83, 37, 186

Protanopia
0, 71, 149

Deuteranopia
0, 76, 128

Tritanopia
47, 78, 85

Trichromacy

Original Color
83, 37, 186

Protanomaly
30, 59, 162

Deuteranomaly
30, 62, 149

Tritanomaly
60, 63, 122

Monochromacy

Original Color
83, 37, 186

Achromatopsia
68, 68, 68

Achromatomaly
73, 57, 111

CSS Examples

Text

The CSS property to change the color of the text to RGB 83, 37, 186 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(83, 37, 186) looks like.

```
.text, #text, p{
    color:rgb(83, 37, 186)
}
```

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(83, 37, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 37, 186) }
```

Border

The CSS property to change the border of an element to RGB 83, 37, 186 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(83, 37, 186) }
```

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

```
.border{ border-color:rgb(83, 37, 186) }
```

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

Here you see how a box with a 4 pixel rgb(83, 37, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(83, 37, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(83, 37, 186); box-shadow:4px 4px 4px 4px rgb(83, 37, 186) }
```

Background

The CSS property to change the background color of an element to RGB 83, 37, 186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(83, 37, 186) }
```

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

```
.background{ background-color:rgb(83, 37,
186) }
```

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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