Converting Colors

RGB(81, 35, 233)

Have a look what the booklet for RGB(81, 35, 233) contains.

Color

RGB(81, 35, 233)

Conversions

Conversions Part 1

Format	Color
Hex	5123E9
RGB	81, 35, 233
RGB Percent	32%, 14%, 91%
CMY	0.6824, 0.8627, 0.0863
CMYK	0.65, 0.85, 0.00, 0.09
HSL	254°, 82%, 53%
HSV	254°, 85%, 91%
XYZ	18.7024, 8.8346, 77.8103
YIQ	71.3260, -36.1420, 71.3300

Conversions

Conversions Part 2

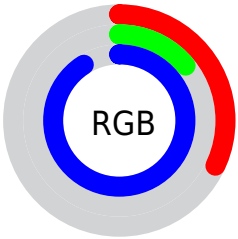
Format	Color
RYB	81, 35, 233
Decimal	5317609
CIELab	35.66, 68.13, -89.73
CIELCh	36, 112.667, 307.208
Yxy	8.8346, 0.1775, 0.0839
Android (android.graphics.Color)	4283507689 (0xFF5123E9)
YUV	71.3260, 79.7053, 8.4841
Hunter-Lab	29.7230, 60.3006, -134.4060

Details

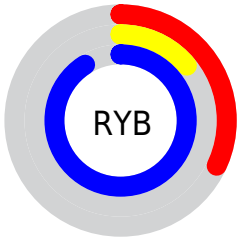
The RGB color 81, 35, 233 is a dark color, and the websafe version is hex 6633FF. The color can be described as dark washed blue. A complement of this color would be 187, 233, 35, and the grayscale version is 71, 71, 71.

A 20% lighter version of the original color is 149, 90, 255, and 0, 0, 176 is the 20% darker color. If you saturate the color by 10%, you get 63, 12, 233, and if you desaturate by 10%, it is 99, 58, 233.

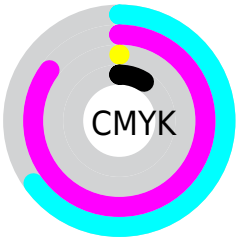
Distribution



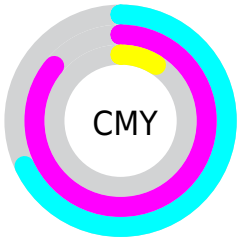
- Red (32%)
- Green (14%)
- Blue (91%)



- Red (32%)
- Yellow (14%)
- Blue (91%)



- Cyan (65%)
- Magenta (85%)
- Yellow (0%)
- Black (9%)



- Cyan (68%)
- Magenta (86%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RGB color 81, 35, 233 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 81, 35, 233 by changing the saturation by 10% instead.

81, 35, 233

255, 255, 255

149, 90, 255

181, 117, 255

212, 144, 255

244, 172, 255

255, 200, 255

255, 229, 255

81, 35, 233

35, 0, 204

0, 0, 176

0, 0, 148

0, 0, 121

0, 10, 95

0, 8, 70

0, 4, 47

0, 1, 25

0, 0, 0

81, 35, 233

63, 12, 233

54, 0, 233

81, 35, 233

99, 58, 233

117, 82, 233

135, 105, 233

153, 128, 233

170, 152, 233

188, 175, 233

206, 198, 233

224, 221, 233

242, 245, 233

Harmonies

Analogous

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

0, 95, 255

81, 35, 233

198, 0, 156

Triad

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

81, 35, 233

155, 45, 0

0, 112, 105

Complementary

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

81, 35, 233

187, 233, 35

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, 109, 0

81, 35, 233

84, 89, 0

Square

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

81, 35, 233

206, 0, 0

0, 104, 0

0, 115, 194

Rectangle

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

81, 35, 233

223, 0, 97

0, 104, 0

0, 111, 73

Sweetspot

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

81, 35, 233

206, 191, 255

35, 190, 233

98, 89, 128

0, 0, 0

128, 128, 128

Same Dimension

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

81, 35, 233

59, 0, 255

177, 35, 233

108, 106, 117

42, 0, 181

12, 0, 54

Inverse Universe

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

233, 35, 187

255, 0, 196

91, 233, 35

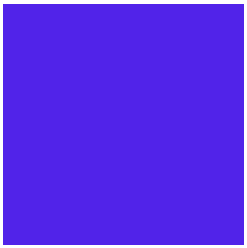
117, 106, 115

181, 0, 139

54, 0, 41

Previews

White Background

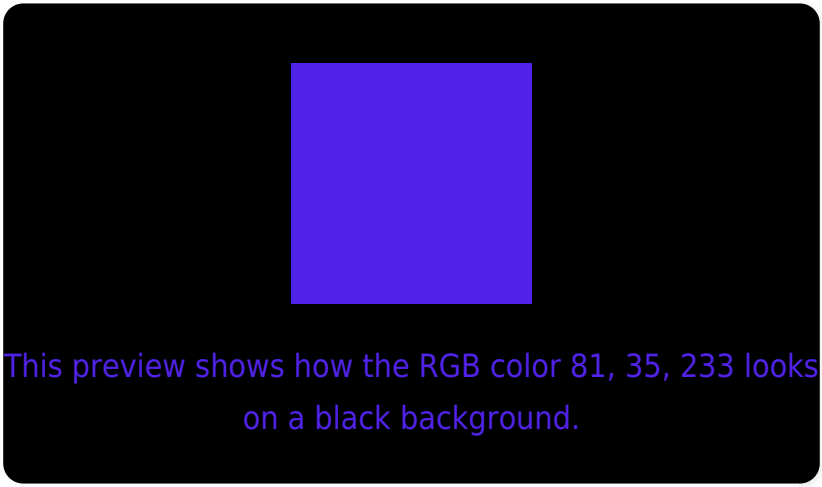


This preview shows how the RGB color 81, 35, 233 looks on a white background.

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



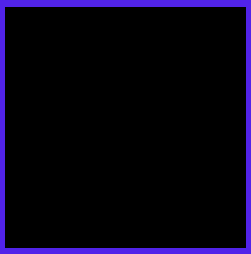
This preview shows how the RGB color 81, 35, 233 looks on a black background.

Color Contrast Check

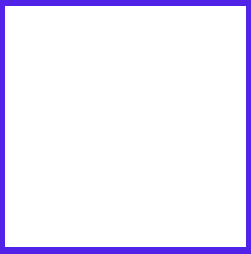
Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

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

RGB 81, 35, 233 Background



This preview shows how black text looks on a background with the RGB color 81, 35, 233.



This preview shows how white text looks on a background with the RGB color 81, 35, 233.

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

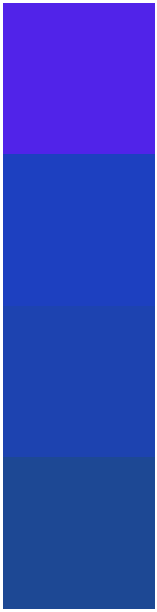
Original Color
81, 35, 233

Protanopia
0, 81, 169

Deuteranopia
0, 86, 144

Tritanopia
0, 93, 99

Trichromacy



Original Color
81, 35, 233

Protanomaly
29, 64, 192

Deuteranomaly
29, 67, 176

Tritanomaly
29, 72, 148

Monochromacy

Original Color
81, 35, 233

Achromatopsia
71, 71, 71

Achromatomaly
75, 58, 130

CSS Examples

Text

The CSS property to change the color of the text to RGB 81, 35, 233 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(81, 35, 233) looks like.

```
.text, #text, p{
    color:rgb(81, 35, 233)
}
```

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(81, 35, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 35, 233) }
```

Border

The CSS property to change the border of an element to RGB 81, 35, 233 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(81, 35, 233) }
```

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

```
.border{ border-color:rgb(81, 35, 233) }
```

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

Here you see how a box with a 4 pixel rgb(81, 35, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(81, 35, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(81, 35, 233); box-shadow:4px 4px 4px 4px rgb(81, 35, 233) }
```

Background

The CSS property to change the background color of an element to RGB 81, 35, 233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(81, 35, 233) }
```

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

```
.background{ background-color:rgb(81, 35,
233) }
```

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