

Converting Colors

RGB(85, 62, 176)

Have a look what the booklet for
RGB(85, 62, 176) contains.

RGB(85, 62, 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(85, 62, 176)

Conversions

Conversions Part 1

Format	Color
Hex	553EB0
RGB	85, 62, 176
RGB Percent	33%, 24%, 69%
CMY	0.6667, 0.7569, 0.3098
CMYK	0.52, 0.65, 0.00, 0.31
HSL	252°, 48%, 47%
HSV	252°, 65%, 69%
XYZ	13.3054, 8.5111, 42.0158
YIQ	81.8730, -22.8860, 40.3300

Conversions

Conversions Part 2

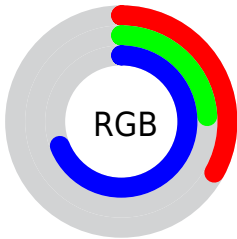
Format	Color
R_{YB}	85, 62, 176
Decimal	5586608
CIE _{Lab}	35.03, 39.68, -57.63
CIE _{LCh}	35, 69.971, 304.548
Yxy	8.5111, 0.2084, 0.1333
Android (android.graphics.Color)	4283776688 (0xFF553EB0)
YUV	81.8730, 46.4046, 2.7424
Hunter-Lab	29.1738, 30.3548, -64.9671

Details

The RGB color **85, 62, 176** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **153, 176, 62**, and the grayscale version is **81, 81, 81**.

A 20% lighter version of the original color is **142, 111, 233**, and **18, 16, 122** is the 20% darker color. If you saturate the color by 10%, you get **71, 44, 176**, and if you desaturate by 10%, it is **99, 80, 176**.

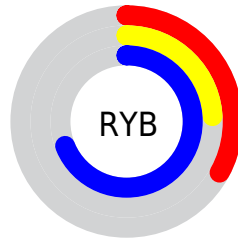
Distribution



Red (33%)

Green (24%)

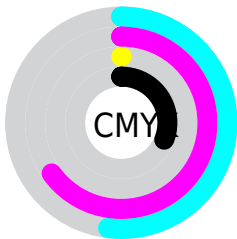
Blue (69%)



Red (33%)

Yellow (24%)

Blue (69%)

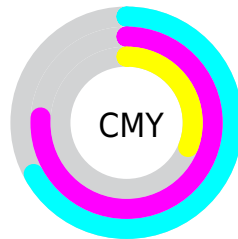


Cyan (52%)

Magenta (65%)

Yellow (0%)

Black (31%)



Cyan (67%)

Magenta (76%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the RGB color 85, 62, 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 85, 62, 176 by changing the saturation by 10% instead.



85, 62, 176



85, 62, 176

255, 255, 255



55, 39, 149



142, 111, 233



18, 16, 122



170, 137, 255



0, 0, 97



199, 163, 255



0, 0, 72



229, 191, 255



0, 4, 49



255, 219, 255



0, 1, 27



255, 247, 255



0, 0, 0



85, 62, 176



85, 62, 176



71, 44, 176



99, 80, 176

■ 57, 27, 176

■ 113, 97, 176

■ 43, 9, 176

■ 127, 115, 176

■ 36, 0, 176

■ 141, 132, 176

■ 155, 150, 176

■ 169, 168, 176

■ 183, 185, 176

■ 197, 203, 176

■ 211, 220, 176

Harmonies

Analogous

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



0, 88, 196



85, 62, 176



153, 6, 132

Triad

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



85, 62, 176



138, 60, 0



0, 104, 90

Complementary

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



85, 62, 176



153, 176, 62

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, 102, 29



85, 62, 176



94, 83, 0

Square

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



85, 62, 176



167, 9, 22



29, 96, 0



0, 105, 145

Rectangle

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



85, 62, 176



172, 0, 95



29, 96, 0



0, 104, 70

Sweetspot

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



85, 62, 176



195, 186, 230



62, 153, 176



94, 88, 115



242, 242, 242



115, 115, 115

Same Dimension

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



85, 62, 176



87, 50, 230



142, 62, 176



82, 80, 89



31, 0, 153



5, 0, 26

Inverse Universe

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



176, 62, 153



230, 50, 193



96, 176, 62



89, 80, 87



153, 0, 122



26, 0, 20

Previews

White Background



This preview shows how the RGB color 85, 62, 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



This preview shows how the RGB color 85, 62, 176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

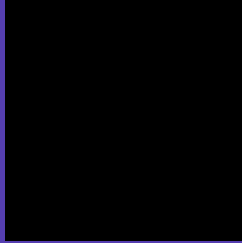
Any Text WCAG AA × Fail

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 85, 62, 176 Background



This preview shows how black text looks on a background with the RGB color 85, 62, 176.

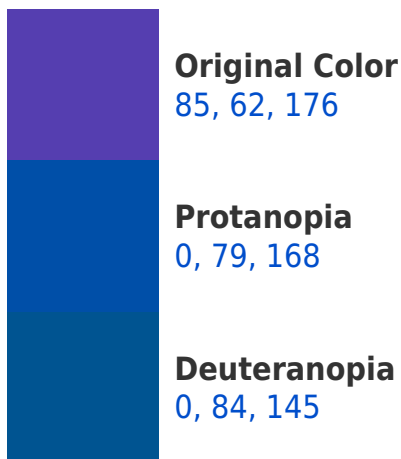



This preview shows how white text looks on a background with the RGB color 85, 62, 176.

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

59, 87, 94

Trichromacy



Original Color

85, 62, 176



Protanomaly

31, 73, 171



Deuteranomaly

31, 76, 156



Tritanomaly

68, 78, 124

Monochromacy



Original Color

85, 62, 176



Achromatopsia

82, 82, 82



Achromatomaly

83, 75, 116

CSS Examples

Text

The CSS property to change the color of the text to RGB 85, 62, 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(85, 62, 176) looks like.

```
.text, #text, p{  
    color:rgb(85, 62, 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(85, 62, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 62, 176) }
```

Border

The CSS property to change the border of an element to RGB 85, 62, 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(85, 62, 176) }
```

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

```
.border{ border-color:rgb(85, 62, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 62, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 62, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 62, 176);  
box-shadow:4px 4px 4px 4px rgb(85, 62,  
176) }
```

Background

The CSS property to change the background color of an element to RGB 85, 62, 176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 62, 176) }
```

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

```
.background{ background-color: rgb(85, 62,  
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](#).

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