

Converting Colors

RGB(68, 55, 153)

Have a look what the booklet for
RGB(68, 55, 153) contains.

RGB(68, 55, 153)	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(68, 55, 153)

Conversions

Conversions Part 1

Format	Color
Hex	443799
RGB	68, 55, 153
RGB Percent	27%, 22%, 60%
CMY	0.7333, 0.7843, 0.4000
CMYK	0.56, 0.64, 0.00, 0.40
HSL	248°, 47%, 41%
HSV	248°, 64%, 60%
XYZ	9.4999, 6.2612, 30.8448
YIQ	70.0590, -23.7100, 33.2340

Conversions

Conversions Part 2

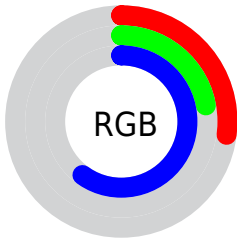
Format	Color
R _{YB}	68, 55, 153
Decimal	4470681
CIE Lab	30.06, 33.50, -51.93
CIE LCh	30, 61.800, 302.821
Yxy	6.2612, 0.2038, 0.1343
Android (android.graphics.Color)	4282660761 (0xFF443799)
YUV	70.0590, 40.8899, -1.8057
Hunter-Lab	25.0224, 23.9788, -55.5703

Details

The RGB color **68, 55, 153** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **140, 153, 55**, and the grayscale version is **70, 70, 70**.

A 20% lighter version of the original color is **124, 103, 208**, and **0, 12, 101** is the 20% darker color. If you saturate the color by 10%, you get **55, 40, 153**, and if you desaturate by 10%, it is **81, 70, 153**.

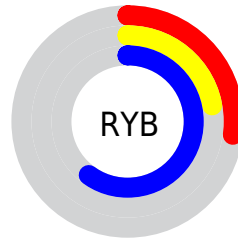
Distribution



Red (27%)

Green (22%)

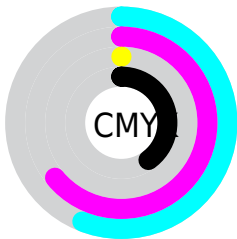
Blue (60%)



Red (27%)

Yellow (22%)

Blue (60%)

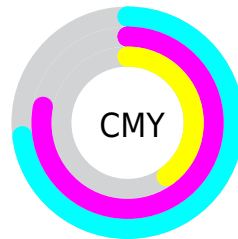


Cyan (56%)

Magenta (64%)

Yellow (0%)

Black (40%)



Cyan (73%)

Magenta (78%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the RGB color 68, 55, 153 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 68, 55, 153 by changing the saturation by 10% instead.

■ 68, 55, 153

■ 68, 55, 153

255, 255, 255

■ 38, 33, 127

■ 124, 103, 208

■ 0, 12, 101

■ 152, 128, 237

■ 0, 0, 76

■ 180, 154, 255

■ 0, 5, 52

■ 209, 181, 255

■ 0, 2, 30

■ 238, 209, 255

■ 0, 0, 1

■ 255, 237, 255

■ 0, 0, 0

■ 68, 55, 153

■ 68, 55, 153

■ 55, 40, 153

■ 81, 70, 153

■ 41, 24, 153

■ 95, 86, 153

■ 28, 9, 153

■ 108, 101, 153

■ 20, 0, 153

■ 121, 116, 153

■ 134, 132, 153

■ 148, 147, 153

■ 161, 162, 153

■ 174, 177, 153

■ 187, 193, 153

Harmonies

Analogous

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



0, 76, 169



68, 55, 153



129, 14, 116

Triad

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



68, 55, 153



121, 50, 0



0, 90, 74

Complementary

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



68, 55, 153



140, 153, 55

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, 87, 22



68, 55, 153



84, 71, 0

Square

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



68, 55, 153



145, 7, 22



32, 82, 0



0, 90, 122

Rectangle

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



68, 55, 153



147, 0, 85



32, 82, 0



0, 89, 57

Sweetspot

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



68, 55, 153



166, 161, 199



55, 142, 153



80, 77, 99



227, 227, 227



99, 99, 99

Same Dimension

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



68, 55, 153



66, 46, 199



115, 55, 153



70, 69, 77



19, 0, 140



2, 0, 13

Inverse Universe

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



153, 55, 140



199, 46, 179



93, 153, 55



77, 69, 75



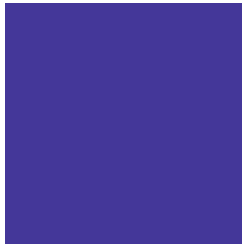
140, 0, 122



13, 0, 11

Previews

White Background



This preview shows how the RGB color 68, 55, 153 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 68, 55, 153 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 68, 55, 153 Background



This preview shows how black text looks on a background with the RGB color 68, 55, 153.

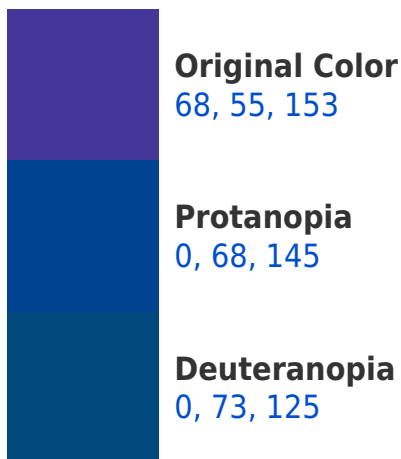


This preview shows how white text looks on a background with the RGB color 68, 55, 153.

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

42, 76, 82

Trichromacy



Original Color
68, 55, 153

Protanomaly
25, 63, 148

Deuteranomaly
25, 66, 135

Tritanomaly
51, 68, 108

Monochromacy



Original Color
68, 55, 153

Achromatopsia
70, 70, 70

Achromatomaly
69, 65, 100

CSS Examples

Text

The CSS property to change the color of the text to RGB 68, 55, 153 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(68, 55, 153) looks like.

```
.text, #text, p{  
    color:rgb(68, 55, 153)  
}
```

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(68, 55, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 55, 153) }
```

Border

The CSS property to change the border of an element to RGB 68, 55, 153 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(68, 55, 153) }
```

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

```
.border{ border-color:rgb(68, 55, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 55, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 55, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 55, 153);  
box-shadow:4px 4px 4px 4px rgb(68, 55,  
153) }
```

Background

The CSS property to change the background color of an element to RGB 68, 55, 153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 55, 153) }
```

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

```
.background{ background-color: rgb(68, 55,  
153) }
```

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