

Converting Colors

RGB(165, 87, 200)

Have a look what the booklet for
RGB(165, 87, 200) contains.

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Color

RGB(165, 87, 200)

Conversions

Conversions Part 1

Format	Color
Hex	A557C8
RGB	165, 87, 200
RGB Percent	65%, 34%, 78%
CMY	0.3529, 0.6588, 0.2157
CMYK	0.17, 0.56, 0.00, 0.22
HSL	281°, 51%, 56%
HSV	281°, 56%, 78%
XYZ	29.3506, 18.9859, 56.7613
YIQ	123.2040, 10.2150, 51.6790

Conversions

Conversions Part 2

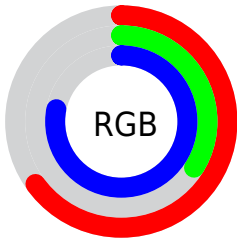
Format	Color
R _Y B	165, 87, 200
Decimal	10835912
CIE Lab	50.67, 50.58, -46.01
CIE LCh	51, 68.382, 317.709
Yxy	18.9859, 0.2793, 0.1806
Android (android.graphics.Color)	4289025992 (0xFFA557C8)
YUV	123.2040, 37.8604, 36.6551
Hunter-Lab	43.5728, 43.9851, -46.7348

Details

The RGB color **165, 87, 200** is a light color, and the websafe version is hex **9966CC**. The color can be described as light muted purple. A complement of this color would be **122, 200, 87**, and the grayscale version is **123, 123, 123**.

A 20% lighter version of the original color is **222, 140, 255**, and **110, 34, 145** is the 20% darker color. If you saturate the color by 10%, you get **159, 67, 200**, and if you desaturate by 10%, it is **171, 107, 200**.

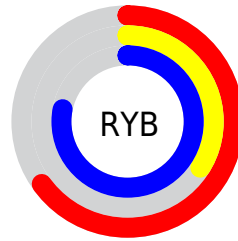
Distribution



Red (65%)

Green (34%)

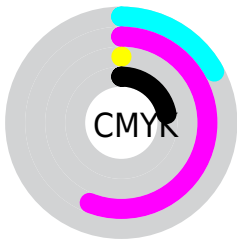
Blue (78%)



Red (65%)

Yellow (34%)

Blue (78%)

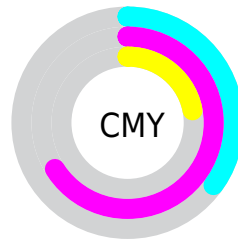


Cyan (17%)

Magenta (56%)

Yellow (0%)

Black (22%)



Cyan (35%)


Magenta (66%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the RGB color 165, 87, 200 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 165, 87, 200 by changing the saturation by 10% instead.

 165, 87, 200

 165, 87, 200

255, 255, 255

 137, 61, 172

 222, 140, 255

 110, 34, 145

 252, 167, 255

 83, 0, 119

 255, 195, 255

 57, 0, 94

 255, 224, 255

 34, 0, 70

 255, 253, 255

 0, 0, 46

 0, 1, 24

 0, 0, 0

 165, 87, 200

 165, 87, 200

■ 159, 67, 200

■ 171, 107, 200

■ 153, 47, 200

■ 177, 127, 200

■ 146, 27, 200

■ 184, 147, 200

■ 140, 7, 200

■ 190, 167, 200

■ 138, 0, 200

■ 196, 187, 200

■ 202, 207, 200

■ 208, 227, 200

■ 215, 247, 200

■ 221, 255, 200

Harmonies

Analogous

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



51, 116, 233



165, 87, 200



212, 57, 147

Triad

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



165, 87, 200



166, 109, 0



0, 146, 155

Complementary

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



165, 87, 200



122, 200, 87

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, 145, 94



165, 87, 200



113, 128, 0

Square

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



165, 87, 200



204, 82, 33



30, 139, 31



0, 144, 206

Rectangle

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



165, 87, 200



222, 51, 108



30, 139, 31



0, 146, 135

Sweetspot

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



165, 87, 200



242, 212, 255



87, 123, 200



120, 102, 128



0, 0, 0



128, 128, 128

Same Dimension

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



165, 87, 200



201, 82, 255



200, 87, 179



96, 90, 99



113, 0, 163



25, 0, 36

Inverse Universe

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



200, 87, 122



255, 82, 135



87, 200, 108



99, 90, 93



163, 0, 51



36, 0, 11

Previews

White Background



This preview shows how the RGB color 165, 87, 200 looks on a white background.

Color Contrast Check

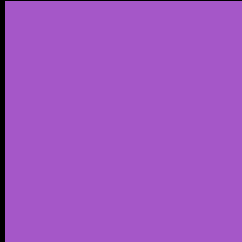
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the RGB color 165, 87, 200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

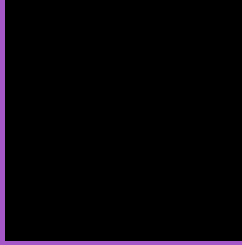
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RGB 165, 87, 200 Background



This preview shows how black text looks on a background with the RGB color 165, 87, 200.

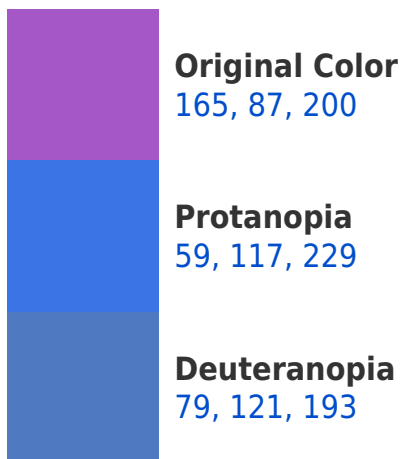



This preview shows how white text looks on a background with the RGB color 165, 87, 200.

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





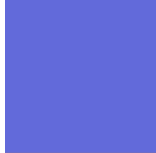
Tritanopia
152, 109, 117

Trichromacy



Original Color

165, 87, 200



Protanomaly

98, 106, 218



Deuteranomaly

110, 109, 196



Tritanomaly

157, 101, 147

Monochromacy



Original Color

165, 87, 200



Achromatopsia

123, 123, 123



Achromatomaly

138, 110, 151

CSS Examples

Text

The CSS property to change the color of the text to RGB 165, 87, 200 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(165, 87, 200)` looks like.

```
.text, #text, p{  
    color:rgb(165, 87, 200)  
}
```

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(165, 87, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 87, 200) }
```

Border

The CSS property to change the border of an element to RGB 165, 87, 200 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(165, 87, 200) }
```

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

```
.border{ border-color:rgb(165, 87, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 87, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 87, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 87, 200);  
box-shadow:4px 4px 4px 4px rgb(165, 87,  
200) }
```

Background

The CSS property to change the background color of an element to RGB 165, 87, 200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 87, 200) }
```

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

```
.background{ background-color: rgb(165, 87,  
200) }
```

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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