

Converting Colors

RGB(165, 16, 229)

Have a look what the booklet for
RGB(165, 16, 229) contains.

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Color

RGB(165, 16, 229)

Conversions

Conversions Part 1

Format	Color
Hex	A510E5
RGB	165, 16, 229
RGB Percent	65%, 6%, 90%
CMY	0.3529, 0.9373, 0.1020
CMYK	0.28, 0.93, 0.00, 0.10
HSL	282°, 87%, 48%
HSV	282°, 93%, 90%
XYZ	29.8452, 14.0271, 75.2632
YIQ	84.8330, 20.4310, 97.8310

Conversions

Conversions Part 2

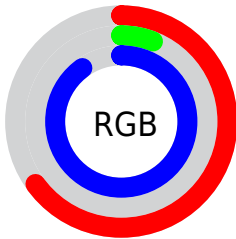
Format	Color
R _{YB}	165, 16, 229
Decimal	10817765
CIE Lab	44.27, 80.05, -72.92
CIE LCh	44, 108.286, 317.670
Yxy	14.0271, 0.2505, 0.1177
Android (android.graphics.Color)	4289007845 (0xFFA510E5)
YUV	84.8330, 71.0743, 70.3065
Hunter-Lab	37.4527, 76.7003, -92.9295

Details

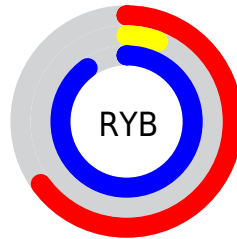
The RGB color **165, 16, 229** is a dark color, and the websafe version is hex **9900CC**. The color can be described as middle washed purple. A complement of this color would be **80, 229, 16**, and the grayscale version is **84, 84, 84**.

A 20% lighter version of the original color is **225, 91, 255**, and **105, 0, 172** is the 20% darker color. If you saturate the color by 10%, you get **160, 0, 229**, and if you desaturate by 10%, it is **172, 39, 229**.

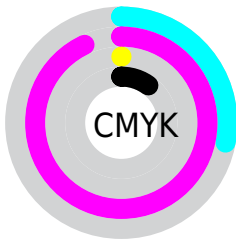
Distribution



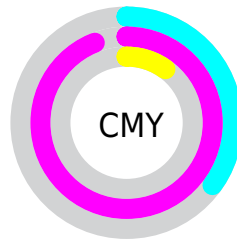
- Red (65%)
- Green (6%)
- Blue (90%)



- Red (65%)
- Yellow (6%)
- Blue (90%)



- Cyan (28%)
- Magenta (93%)
- Yellow (0%)
- Black (10%)





















- Cyan (35%)
- Magenta (94%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the RGB color 165, 16, 229 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, 16, 229 by changing the saturation by 10% instead.

 165, 16, 229	 165, 16, 229
 255, 255, 255	 135, 0, 200
 225, 91, 255	 105, 0, 172
 255, 121, 255	 75, 0, 145
 255, 150, 255	 42, 0, 118
 255, 179, 255	 0, 0, 92
 255, 209, 255	 0, 0, 68
 255, 239, 255	 0, 3, 44
	 0, 1, 23
	 0, 0, 0

■ 165, 16, 229

■ 165, 16, 229

■ 160, 0, 229

■ 172, 39, 229

■ 179, 62, 229

■ 186, 85, 229

■ 193, 108, 229

■ 199, 131, 229

■ 206, 153, 229

■ 213, 176, 229

■ 220, 199, 229

■ 227, 222, 229

Harmonies

Analogous

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



0, 100, 255



165, 16, 229



237, 0, 146

Triad

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



165, 16, 229



158, 87, 0



0, 137, 158

Complementary

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



165, 16, 229



80, 229, 16

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, 134, 62



165, 16, 229



76, 117, 0

Square

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



165, 16, 229



217, 0, 0



0, 129, 0



0, 137, 240

Rectangle

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



165, 16, 229



250, 0, 87



0, 129, 0



0, 136, 127

Sweetspot

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



165, 16, 229



234, 184, 255



16, 83, 229



114, 84, 128



0, 0, 0



128, 128, 128

Same Dimension

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



165, 16, 229



178, 0, 255



229, 16, 190



111, 103, 115



125, 0, 179



36, 0, 51

Inverse Universe

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



229, 16, 80



255, 0, 77



16, 229, 55



115, 103, 107



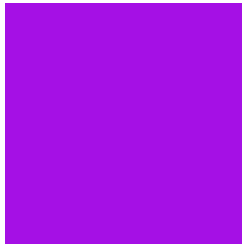
179, 0, 54



51, 0, 15

Previews

White Background



This preview shows how the RGB color 165, 16, 229 looks on a white background.

Color Contrast Check

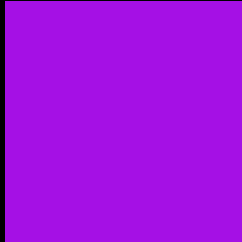
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RGB color 165, 16, 229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

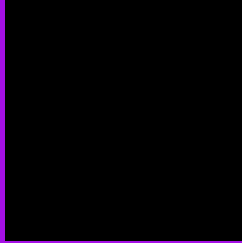
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

RGB 165, 16, 229 Background



This preview shows how black text looks on a background with the RGB color 165, 16, 229.

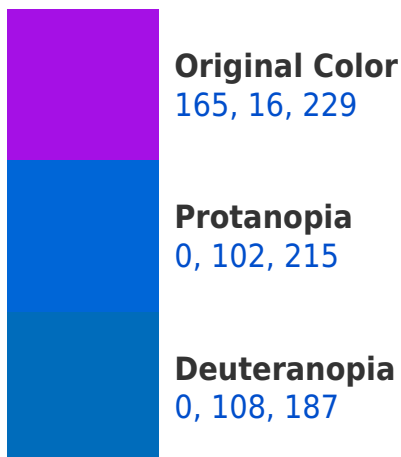


This preview shows how white text looks on a background with the RGB color 165, 16, 229.

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
143, 90, 97

Trichromacy



Original Color
165, 16, 229



Protanomaly
60, 71, 220



Deuteranomaly
60, 75, 202



Tritanomaly
151, 63, 145

Monochromacy



Original Color
165, 16, 229



Achromatopsia
85, 85, 85



Achromatomaly
114, 60, 137

CSS Examples

Text

The CSS property to change the color of the text to RGB 165, 16, 229 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, 16, 229)` looks like.

```
.text, #text, p{  
    color:rgb(165, 16, 229)  
}
```

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, 16, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 16, 229) }
```

Border

The CSS property to change the border of an element to RGB 165, 16, 229 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, 16, 229) }
```

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

```
.border{ border-color:rgb(165, 16, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 16, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 16, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 16, 229);  
box-shadow:4px 4px 4px 4px rgb(165, 16,  
229) }
```

Background

The CSS property to change the background color of an element to RGB 165, 16, 229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 16, 229) }
```

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

```
.background{ background-color: rgb(165, 16,  
229) }
```

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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