

Converting Colors

RGB(166, 0, 226)

Have a look what the booklet for
RGB(166, 0, 226) contains.

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Color

RGB(166, 0, 226)

Conversions

Conversions Part 1

Format	Color
Hex	A600E2
RGB	166, 0, 226
RGB Percent	65%, 0%, 89%
CMY	0.3490, 1.0000, 0.1137
CMYK	0.27, 1.00, 0.00, 0.11
HSL	284°, 100%, 44%
HSV	284°, 100%, 89%
XYZ	29.4534, 13.5980, 73.0238
YIQ	75.3980, 26.3900, 105.4780

Conversions

Conversions Part 2

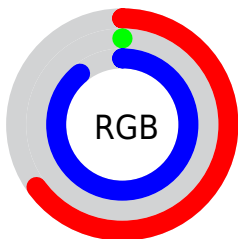
Format	Color
RYB	166, 0, 226
Decimal	10879202
CIELab	43.65, 81.24, -72.22
CIELCh	44, 108.696, 318.363
Yxy	13.5980, 0.2537, 0.1171
Android (android.graphics.Color)	4289069282 (0xFFA600E2)
YUV	75.3980, 74.2468, 79.4580
Hunter-Lab	36.8754, 78.0405, -91.5982

Details

The RGB color **166, 0, 226** 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 **60, 226, 0**, and the grayscale version is **75, 75, 75**.

A 20% lighter version of the original color is **226, 87, 255**, and **106, 0, 169** is the 20% darker color. If you saturate the color by 10%, you get **166, 0, 226**, and if you desaturate by 10%, it is **172, 23, 226**.

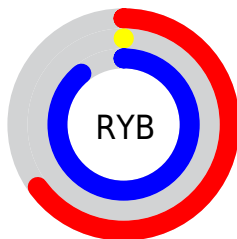
Distribution



Red (65%)

Green (0%)

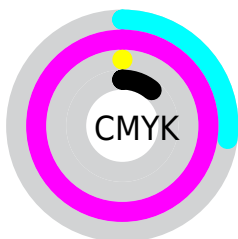
Blue (89%)



Red (65%)

Yellow (0%)

Blue (89%)

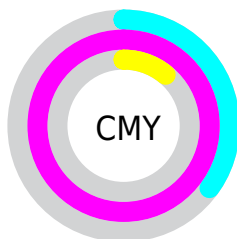


Cyan (27%)

Magenta (100%)

Yellow (0%)

Black (11%)



Cyan (35%)

Magenta (100%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RGB color 166, 0, 226 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 166, 0, 226 by changing the saturation by 10% instead.



166, 0, 226



166, 0, 226

255, 255, 255



136, 0, 197



226, 87, 255



106, 0, 169



255, 117, 255



76, 0, 142



255, 146, 255



44, 0, 115



255, 176, 255



0, 0, 90



255, 205, 255



0, 0, 65



255, 235, 255



0, 3, 42



0, 1, 20



0, 0, 0

■ 166, 0, 226

■ 172, 23, 226

■ 178, 45, 226

■ 184, 68, 226

■ 190, 90, 226

■ 196, 113, 226

■ 202, 136, 226

■ 208, 158, 226

■ 214, 181, 226

■ 220, 203, 226

Harmonies

Analogous

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



0, 98, 255



166, 0, 226



237, 0, 142

Triad

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



166, 0, 226



155, 87, 0



0, 135, 159

Complementary

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



166, 0, 226



60, 226, 0

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, 133, 63



166, 0, 226



71, 116, 0

Square

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



166, 0, 226



214, 0, 0



0, 128, 0



0, 135, 240

Rectangle

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



166, 0, 226



248, 0, 84



0, 128, 0



0, 134, 127

Sweetspot

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



166, 0, 226



235, 179, 255



0, 60, 226



115, 82, 128



0, 0, 0



128, 128, 128

Same Dimension

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



166, 0, 226



187, 0, 255



226, 0, 173



109, 101, 112



129, 0, 176



36, 0, 48

Inverse Universe

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



226, 0, 60



255, 0, 68



0, 226, 53



112, 101, 104



176, 0, 47



48, 0, 13

Previews

White Background



This preview shows how the RGB color 166, 0, 226 looks on a white background.

Color Contrast Check

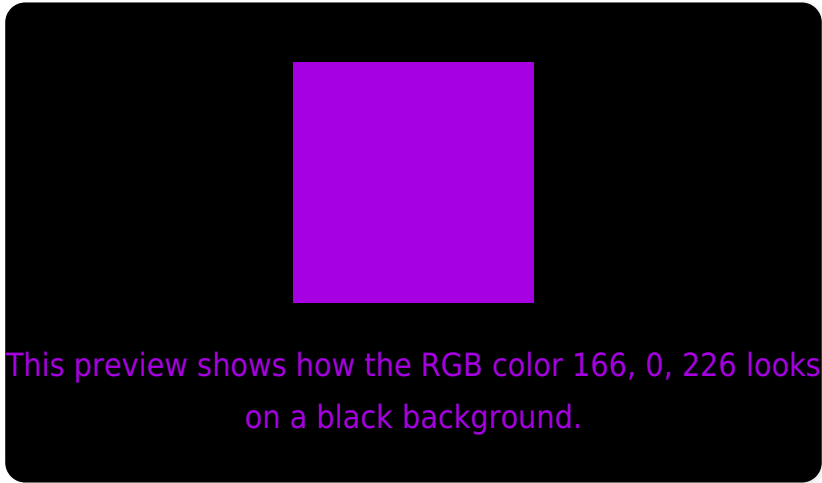
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

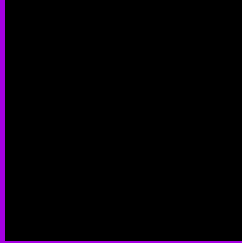
Any Text WCAG AA × Fail

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 166, 0, 226 Background



This preview shows how black text looks on a background with the RGB color 166, 0, 226.



This preview shows how white text looks on a background with the RGB color 166, 0, 226.

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

166, 0, 226

Protanopia

0, 101, 213

Deuteranopia

0, 107, 186



Tritanopia
145, 88, 95

Trichromacy



Original Color

166, 0, 226



Protanomaly

60, 64, 218



Deuteranomaly

60, 68, 201



Tritanomaly

153, 56, 143

Monochromacy



Original Color

166, 0, 226



Achromatopsia

75, 75, 75



Achromatomaly

108, 48, 130

CSS Examples

Text

The CSS property to change the color of the text to RGB 166, 0, 226 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(166, 0, 226)` looks like.

```
.text, #text, p{  
    color:rgb(166, 0, 226)  
}
```

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(166, 0, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 0, 226) }
```

Border

The CSS property to change the border of an element to RGB 166, 0, 226 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(166, 0, 226) }
```

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

```
.border{ border-color:rgb(166, 0, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 0, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 0, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 0, 226);  
box-shadow:4px 4px 4px 4px rgb(166, 0,  
226) }
```

Background

The CSS property to change the background color of an element to RGB 166, 0, 226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 0, 226) }
```

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

```
.background{ background-color: rgb(166, 0,  
226) }
```

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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