

Converting Colors

`RYB(166, 77, 234)`

Have a look what the booklet for
RYB(166, 77, 234) contains.

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Color

R_YB(166, 77, 234)

Conversions

Conversions Part 1

Format	Color
Hex	A64DEA
RGB	166, 77, 234
RGB Percent	65%, 30%, 92%
CMY	0.3490, 0.6980, 0.0824
CMYK	0.29, 0.67, 0.00, 0.08
HSL	274°, 79%, 61%
HSV	274°, 67%, 92%
XYZ	33.2310, 19.3553, 79.8264
YIQ	121.5090, 2.6470, 67.6950

Conversions

Conversions Part 2

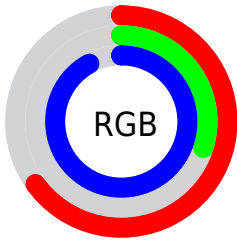
Format	Color
RYB	166, 77, 234
Decimal	10898922
CIELab	51.10, 63.01, -64.65
CIELCh	51, 90.280, 314.266
Yxy	19.3553, 0.2510, 0.1462
Android (android.graphics.Color)	4289089002 (0xFFA64DEA)
YUV	121.5090, 55.4581, 39.0186
Hunter-Lab	43.9946, 57.8382, -76.7830

Details

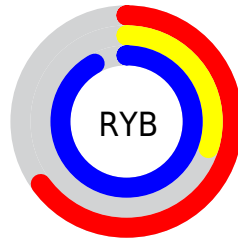
The RYB color **166, 77, 234** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **77, 234, 166**, and the grayscale version is **121, 121, 121**.

A 20% lighter version of the original color is **225, 132, 255**, and **108, 14, 177** is the 20% darker color. If you saturate the color by 10%, you get **156, 54, 234**, and if you desaturate by 10%, it is **176, 100, 234**.

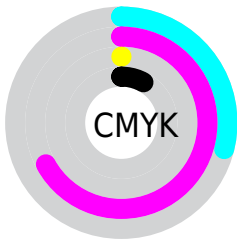
Distribution



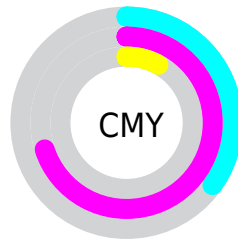
- Red (65%)
- Green (30%)
- Blue (92%)



- Red (65%)
- Yellow (30%)
- Blue (92%)



- Cyan (29%)
- Magenta (67%)
- Yellow (0%)
- Black (8%)




















- Cyan (35%)
- Magenta (70%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the RYB color 166, 77, 234 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 RYB color 166, 77, 234 by changing the saturation by 10% instead.

 166, 77, 234	 166, 77, 234
 255, 255, 255	 137, 49, 205
 225, 132, 255	 108, 14, 177
 255, 159, 255	 79, 0, 150
 255, 187, 255	 48, 0, 123
 255, 216, 255	 14, 0, 97
 255, 245, 255	 0, 0, 73
	 0, 4, 49
	 0, 1, 27
	 0, 0, 0

■ 166, 77, 234

■ 166, 77, 234

■ 156, 54, 234

■ 176, 100, 234

■ 146, 30, 234

■ 186, 124, 234

■ 136, 7, 234

■ 196, 147, 234

■ 133, 0, 234

■ 207, 171, 234

■ 217, 194, 234

■ 227, 217, 234

■ 234, 241, 238

■ 234, 255, 242

■ 234, 255, 234

Harmonies

Analogous

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



0, 82, 255



166, 77, 234



234, 0, 166

Triad

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



166, 77, 234



137, 181, 0



0, 78, 158

Complementary

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



166, 77, 234



77, 234, 166

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, 100, 150



166, 77, 234



0, 130, 15

Square

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



166, 77, 234



229, 70, 1



0, 144, 144



0, 91, 229

Rectangle

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



166, 77, 234



250, 0, 114



0, 144, 144



0, 82, 152

Sweetspot

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



166, 77, 234



233, 204, 255



77, 124, 234



114, 97, 128



0, 0, 0



128, 128, 128

Same Dimension

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



166, 77, 234



166, 48, 255



234, 77, 224



112, 106, 117



103, 0, 181



30, 0, 54

Inverse Universe

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



234, 77, 145



255, 48, 138



77, 225, 234



117, 106, 111



181, 0, 78



54, 0, 23

Previews

White Background



This preview shows how the RYB color 166, 77, 234 looks on a white background.

Color Contrast Check

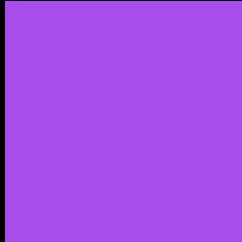
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the RYB color 166, 77, 234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

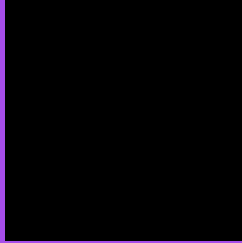
Any Text WCAG AA ✓ Pass

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 166, 77, 234 Background



This preview shows how black text looks on a background with the RGB color 166, 77, 234.




This preview shows how white text looks on a background with the RGB color 166, 77, 234.

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



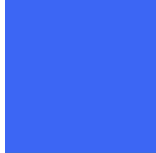


Tritanopia
146, 113, 121

Trichromacy



Original Color
166, 77, 234



Protanomaly
60, 94, 244



Deuteranomaly
60, 97, 224



Tritanomaly
153, 100, 162

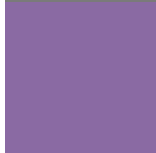
Monochromacy



Original Color
166, 77, 234



Achromatopsia
122, 122, 122



Achromatomaly
138, 106, 163

CSS Examples

Text

The CSS property to change the color of the text to RYB 166, 77, 234 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, 77, 234) looks like.

```
.text, #text, p{  
    color:rgb(166, 77, 234)  
}
```

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, 77, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 77, 234) }
```

Border

The CSS property to change the border of an element to RYB 166, 77, 234 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, 77, 234) }
```

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

```
.border{ border-color:rgb(166, 77, 234) }
```

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

Here you see how a box with a 4 pixel rgb(166, 77, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 77, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 77, 234);  
box-shadow:4px 4px 4px 4px rgb(166, 77,  
234) }
```

Background

The CSS property to change the background color of an element to RYB 166, 77, 234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 77, 234) }
```

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

```
.background{ background-color: rgb(166, 77,  
234) }
```

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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