

Converting Colors

`RYB(166, 146, 217)`

Have a look what the booklet for
RYB(166, 146, 217) contains.

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Color

R_YB(166, 146, 217)

Conversions

Conversions Part 1

Format	Color
Hex	A692D9
RGB	166, 146, 217
RGB Percent	65%, 57%, 85%
CMY	0.3490, 0.4275, 0.1490
CMYK	0.24, 0.33, 0.00, 0.15
HSL	257°, 48%, 71%
HSV	257°, 33%, 85%
XYZ	38.5292, 33.6745, 70.1148
YIQ	160.0740, -10.8710, 26.3210

Conversions

Conversions Part 2

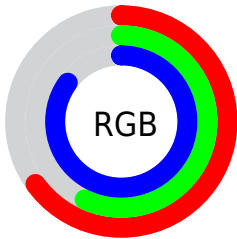
Format	Color
RYB	166, 146, 217
Decimal	10916569
CIELab	64.70, 22.18, -33.56
CIELCh	65, 40.234, 303.463
Yxy	33.6745, 0.2707, 0.2366
Android (android.graphics.Color)	4289106649 (0xFFA692D9)
YUV	160.0740, 28.0645, 5.1971
Hunter-Lab	58.0297, 16.9640, -31.0167

Details

The RYB color **166, 146, 217** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **146, 217, 166**, and the grayscale version is **160, 160, 160**.

A 20% lighter version of the original color is **222, 200, 255**, and **113, 95, 162** is the 20% darker color. If you saturate the color by 10%, you get **150, 124, 217**, and if you desaturate by 10%, it is **182, 168, 217**.

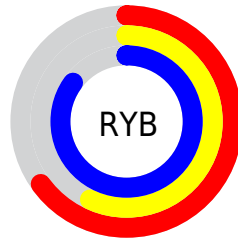
Distribution



Red (65%)

Green (57%)

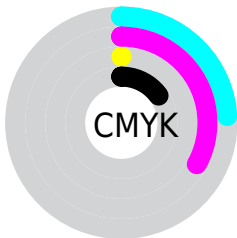
Blue (85%)



Red (65%)

Yellow (57%)

Blue (85%)

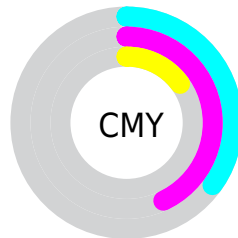


Cyan (24%)

Magenta (33%)

Yellow (0%)

Black (15%)



Cyan (35%)

Magenta (43%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 166, 146, 217 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, 146, 217 by changing the saturation by 10% instead.

■ 166, 146, 217

255, 255, 255

■ 222, 200, 255

■ 251, 228, 255

■ 166, 146, 217

■ 139, 120, 189

■ 113, 95, 162

■ 87, 71, 135

■ 62, 49, 110

■ 37, 27, 85

■ 12, 5, 61

■ 0, 3, 39

■ 0, 1, 16

■ 0, 0, 0

■ 166, 146, 217

■ 166, 146, 217

■ 150, 124, 217

■ 182, 168, 217

■ 135, 103, 217

■ 197, 189, 217

■ 119, 81, 217

■ 213, 211, 217

■ 104, 59, 217

■ 217, 233, 222

■ 88, 37, 217

■ 217, 254, 227

■ 72, 16, 217

■ 217, 255, 217

■ 61, 0, 217

Harmonies

Analogous

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



108, 144, 228



166, 146, 217



205, 134, 190

Triad

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



166, 146, 217



206, 186, 93



21, 103, 176

Complementary

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



166, 146, 217



146, 217, 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.



93, 151, 173



166, 146, 217



110, 176, 84

Square

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



166, 146, 217



223, 134, 119



95, 166, 123



0, 92, 195

Rectangle

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



166, 146, 217



220, 129, 166



95, 166, 123



53, 122, 175

Sweetspot

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



166, 146, 217



237, 230, 255



146, 176, 217



117, 112, 128



0, 0, 0



128, 128, 128

Same Dimension

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



166, 146, 217



184, 156, 255



200, 146, 217



102, 99, 110



49, 0, 173



13, 0, 46

Inverse Universe

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



217, 146, 197



255, 156, 227



146, 217, 200



110, 99, 107



173, 0, 125



46, 0, 33

Previews

White Background



This preview shows how the RYB color 166, 146, 217 looks on a white background.

Color Contrast Check

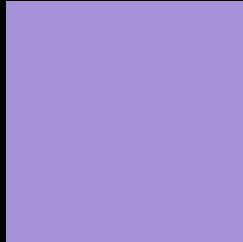
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 166, 146, 217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

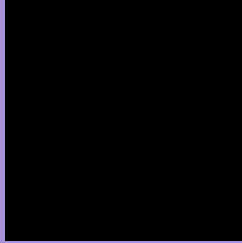
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

RYB 166, 146, 217 Background



This preview shows how black text looks on a background with the RYB color 166, 146, 217.

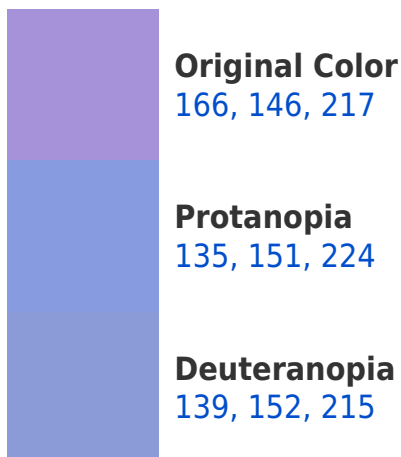


This preview shows how white text looks on a background with the RYB color 166, 146, 217.

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

157, 156, 168

Trichromacy



Original Color
166, 146, 217

Protanomaly
146, 152, 221

Deuteranomaly
149, 152, 216

Tritanomaly
160, 152, 186

Monochromacy



Original Color
166, 146, 217

Achromatopsia
160, 160, 160

Achromatomaly
162, 155, 181

CSS Examples

Text

The CSS property to change the color of the text to RYB 166, 146, 217 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, 146, 217) looks like.

```
.text, #text, p{  
    color:rgb(166, 146, 217)  
}
```

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, 146, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 146, 217) }
```

Border

The CSS property to change the border of an element to RYB 166, 146, 217 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, 146, 217) }
```

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

```
.border{ border-color:rgb(166, 146, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 146, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 146, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 146, 217);  
box-shadow:4px 4px 4px 4px rgb(166, 146,  
217) }
```

Background

The CSS property to change the background color of an element to RYB 166, 146, 217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 146, 217) }
```

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

```
.background{ background-color: rgb(166,  
146, 217) }
```

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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