

# Converting Colors

`RYB(186, 116, 238)`

Have a look what the booklet for  
RYB(186, 116, 238) contains.

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# **Color**

**R<sub>Y</sub>B(186, 116, 238)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BA74EE
RGB	186, 116, 238
RGB Percent	73%, 45%, 93%
CMY	0.2706, 0.5451, 0.0667
CMYK	0.22, 0.51, 0.00, 0.07
HSL	274°, 78%, 69%
HSV	274°, 51%, 93%
XYZ	41.9277, 29.1029, 84.2965
YIQ	150.8380, 2.5580, 52.7820

# Conversions

## Conversions Part 2

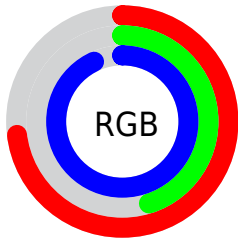
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">186, 116, 238</a>
Decimal	<a href="#">12219630</a>
<a href="#">CIELab</a>	<a href="#">60.87, 49.27, -51.11</a>
<a href="#">CIELCh</a>	<a href="#">61, 70.991, 313.953</a>
<a href="#">Yxy</a>	<a href="#">29.1029, 0.2699, 0.1874</a>
<a href="#">Android (android.graphics.Color)</a>	<a href="#">4290409710 (0xFFBA74EE)</a>
<a href="#">YUV</a>	<a href="#">150.8380, 42.9709, 30.8371</a>
<a href="#">Hunter-Lab</a>	<a href="#">53.9471, 44.3227, -54.8822</a>

# Details

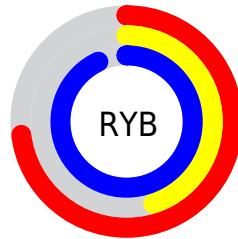
The RYB color **186, 116, 238** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **116, 238, 186**, and the grayscale version is **150, 150, 150**.

A 20% lighter version of the original color is **244, 170, 255**, and **130, 64, 181** is the 20% darker color. If you saturate the color by 10%, you get **176, 92, 238**, and if you desaturate by 10%, it is **196, 140, 238**.

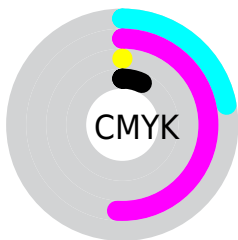
# Distribution



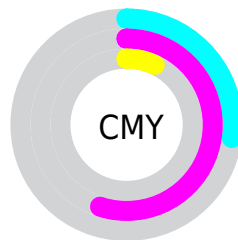
- Red (73%)
- Green (45%)
- Blue (93%)



- Red (73%)
- Yellow (45%)
- Blue (93%)



- Cyan (22%)
- Magenta (51%)
- Yellow (0%)
- Black (7%)



- Cyan (27%)
- Magenta (55%)
- Yellow (7%)

# Brightness & Saturation Gradients


These gradients show how the RYB color 186, 116, 238 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 186, 116, 238 by changing the saturation by 10% instead.



 186, 116, 238

255, 255, 255

 244, 170, 255

 255, 198, 255


 255, 226, 255

 186, 116, 238

 158, 90, 209

 130, 64, 181


 102, 38, 154

 75, 7, 128

 48, 0, 102

 22, 0, 77

 0, 0, 53


 0, 2, 31

 0, 0, 2


 186, 116, 238

 186, 116, 238

 176, 92, 238


 196, 140, 238

 166, 68, 238

 206, 164, 238

 156, 45, 238

 216, 187, 238

 145, 21, 238

 227, 211, 238

 137, 0, 238

 237, 235, 238

 238, 255, 246

 238, 255, 238

# Harmonies

## Analogous

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



57, 117, 255



186, 116, 238



242, 87, 183

# Triad

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



186, 116, 238



109, 203, 0



0, 88, 176

# Complementary

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



186, 116, 238



116, 238, 186

# 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, 106, 173



186, 116, 238



0, 153, 4

# Square

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



186, 116, 238



242, 117, 61



46, 166, 138



0, 99, 233

# Rectangle

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



186, 116, 238



255, 79, 141



46, 166, 138



0, 93, 175



# Sweetspot

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



186, 116, 238



239, 217, 255



116, 153, 238



118, 105, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



186, 116, 238



188, 97, 255



238, 116, 230



115, 108, 120



105, 0, 184



32, 0, 56



# Inverse Universe

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



238, 116, 168



255, 97, 164



116, 230, 238



120, 108, 113



184, 0, 78

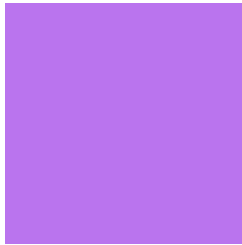


56, 0, 24



# Previews

## White Background



This preview shows how the RYB color 186, 116, 238 looks on a white background.

## Color Contrast Check

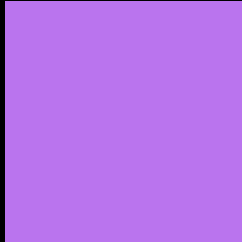
Large Text (above 18pt) WCAG AA ✓ Pass

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 186, 116, 238 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](#).



## RYB 186, 116, 238 Background



This preview shows how black text looks on a background with the RYB color 186, 116, 238.

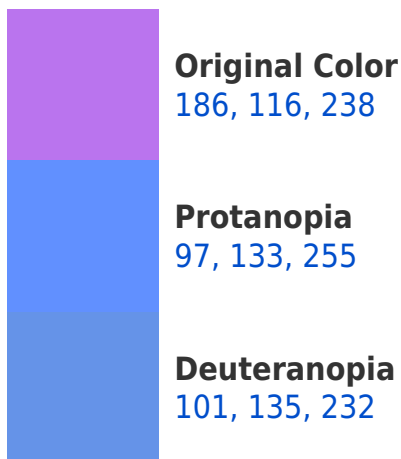


This preview shows how white text looks on a background with the RYB color 186, 116, 238.

# 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**  
171, 138, 149

# Trichromacy



**Original Color**  
186, 116, 238



**Protanomaly**  
129, 133, 249



**Deuteranomaly**  
132, 136, 234



**Tritanomaly**  
176, 130, 181

# Monochromacy



**Original Color**  
186, 116, 238



**Achromatopsia**  
151, 151, 151



**Achromatomaly**  
164, 138, 183

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 186, 116, 238 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(186, 116, 238)` looks like.

```
.text, #text, p{  
    color:rgb(186, 116, 238)  
}
```

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(186, 116, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 116, 238) }
```

## Border

The CSS property to change the border of an element to RYB 186, 116, 238 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(186, 116, 238) }
```

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

```
.border{ border-color:rgb(186, 116, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 116, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 116, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 116, 238);  
box-shadow:4px 4px 4px 4px rgb(186, 116,  
238) }
```

# Background

The CSS property to change the background color of an element to RYB 186, 116, 238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 116, 238) }
```

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

```
.background{ background-color: rgb(186,  
116, 238) }
```

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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