

# Converting Colors

`RYB(186, 106, 233)`

Have a look what the booklet for  
RYB(186, 106, 233) contains.

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# **Color**

**R<sub>Y</sub>B(186, 106, 233)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BA6AE9
RGB	186, 106, 233
RGB Percent	73%, 42%, 91%
CMY	0.2706, 0.5843, 0.0863
CMYK	0.20, 0.55, 0.00, 0.09
HSL	278°, 74%, 66%
HSV	278°, 55%, 91%
XYZ	40.1117, 26.6304, 80.1168
YIQ	144.3980, 6.9130, 56.4570

# Conversions

## Conversions Part 2

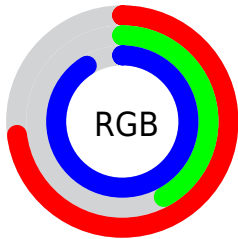
Format	Color
R <sub>Y</sub> B	186, 106, 233
Decimal	12217065
CIE Lab	58.63, 53.36, -51.89
CIE LCh	59, 74.426, 315.803
Yxy	26.6304, 0.2731, 0.1813
Android (android.graphics.Color)	4290407145 (0xFFBA6AE9)
YUV	144.3980, 43.6808, 36.4850
Hunter-Lab	51.6046, 48.4381, -55.9253

# Details

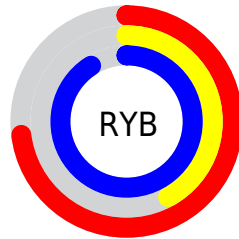
The RYB color **186, 106, 233** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **106, 233, 186**, and the grayscale version is **144, 144, 144**.

A 20% lighter version of the original color is **244, 160, 255**, and **130, 53, 177** is the 20% darker color. If you saturate the color by 10%, you get **177, 83, 233**, and if you desaturate by 10%, it is **195, 129, 233**.

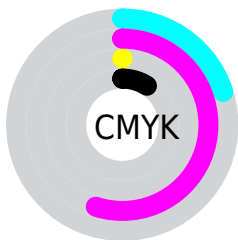
# Distribution



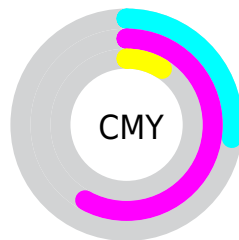
- Red (73%)
- Green (42%)
- Blue (91%)



- Red (73%)
- Yellow (42%)
- Blue (91%)



- Cyan (20%)
- Magenta (55%)
- Yellow (0%)
- Black (9%)



- Cyan (27%)
- Magenta (58%)
- Yellow (9%)

# Brightness & Saturation Gradients


These gradients show how the RYB color 186, 106, 233 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, 106, 233 by changing the saturation by 10% instead.



 186, 106, 233


255, 255, 255

 244, 160, 255

 255, 188, 255


 255, 216, 255

 255, 245, 255

 186, 106, 233

 158, 80, 204

 130, 53, 177

 102, 25, 149

 75, 0, 123

 47, 0, 97

 22, 0, 73

 0, 1, 49

 0, 1, 27


 0, 0, 0

 186, 106, 233


 186, 106, 233

 177, 83, 233

 195, 129, 233


 169, 59, 233

 203, 153, 233

 160, 36, 233

 212, 176, 233

 152, 13, 233

 220, 199, 233

 147, 0, 233

 229, 223, 233

 233, 246, 241

 233, 255, 242

 233, 255, 233

# Harmonies

## Analogous

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



49, 111, 255



186, 106, 233



241, 73, 175

# Triad

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



186, 106, 233



104, 195, 0



0, 86, 175

# Complementary

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



186, 106, 233



106, 233, 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, 103, 168



186, 106, 233



0, 149, 11

# Square

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



186, 106, 233



237, 112, 48



38, 162, 147



0, 97, 234

# Rectangle

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



186, 106, 233



255, 65, 131



38, 162, 147



0, 90, 170



# Sweetspot

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



186, 106, 233



240, 214, 255



106, 141, 233



119, 103, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



186, 106, 233



194, 89, 255



233, 106, 218



113, 106, 117



114, 0, 181



34, 0, 54



# Inverse Universe

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



233, 106, 153



255, 89, 151



106, 220, 233



117, 106, 110



181, 0, 67



54, 0, 20



# Previews

## White Background



This preview shows how the RYB color 186, 106, 233 looks on a white background.

## Color Contrast Check

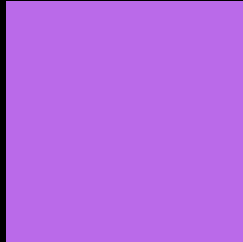
Large Text (above 18pt) WCAG AA ✓ Pass

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, 106, 233 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

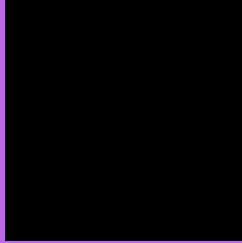
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## RYB 186, 106, 233 Background



This preview shows how black text looks on a background with the RYB color 186, 106, 233.

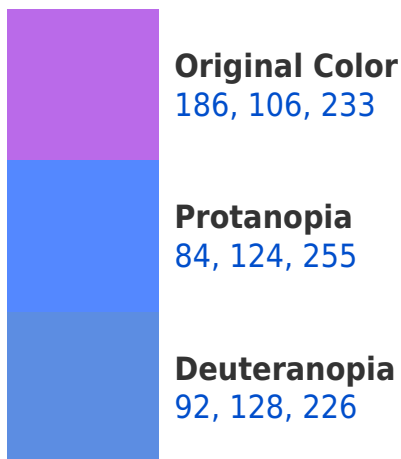


This preview shows how white text looks on a background with the RYB color 186, 106, 233.

# 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, 130, 140

# Trichromacy



**Original Color**

186, 106, 233



**Protanomaly**

121, 126, 247



**Deuteranomaly**

126, 129, 229



**Tritanomaly**

176, 121, 174

# Monochromacy



**Original Color**

186, 106, 233



**Achromatopsia**

144, 144, 144



**Achromatomaly**

159, 130, 176

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 186, 106, 233 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, 106, 233)` looks like.

```
.text, #text, p{  
    color:rgb(186, 106, 233)  
}
```

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, 106, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 106, 233) }
```

## Border

The CSS property to change the border of an element to RYB 186, 106, 233 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, 106, 233) }
```

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

```
.border{ border-color:rgb(186, 106, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 106, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 106, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 106, 233);  
box-shadow:4px 4px 4px 4px rgb(186, 106,  
233) }
```

# Background

The CSS property to change the background color of an element to RYB 186, 106, 233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 106, 233) }
```

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

```
.background{ background-color: rgb(186,  
106, 233) }
```

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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