

Converting Colors

`RYB(165, 106, 203)`

Have a look what the booklet for
RYB(165, 106, 203) contains.

RYB(165, 106, 203)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(165, 106, 203)

Conversions

Conversions Part 1

Format	Color
Hex	A56ACB
RGB	165, 106, 203
RGB Percent	65%, 42%, 80%
CMY	0.3529, 0.5843, 0.2039
CMYK	0.19, 0.48, 0.00, 0.20
HSL	276°, 48%, 61%
HSV	276°, 48%, 80%
XYZ	31.4506, 22.6192, 59.2082
YIQ	134.6990, 4.0270, 42.6750

Conversions

Conversions Part 2

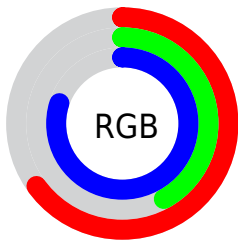
Format	Color
R _Y B	165, 106, 203
Decimal	10840779
CIE _{Lab}	54.68, 41.19, -41.39
CIE _{LCh}	55, 58.388, 314.862
Yxy	22.6192, 0.2776, 0.1997
Android (android.graphics.Color)	4289030859 (0xFFA56ACB)
YUV	134.6990, 33.6724, 26.5740
Hunter-Lab	47.5596, 34.8104, -40.5199

Details

The RYB color **165, 106, 203** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **106, 203, 165**, and the grayscale version is **134, 134, 134**.

A 20% lighter version of the original color is **222, 159, 255**, and **111, 56, 148** is the 20% darker color. If you saturate the color by 10%, you get **157, 86, 203**, and if you desaturate by 10%, it is **173, 126, 203**.

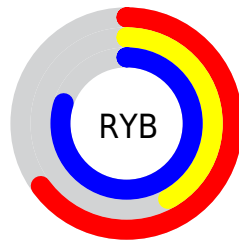
Distribution



Red (65%)

Green (42%)

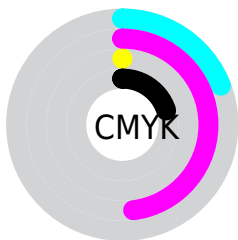
Blue (80%)



Red (65%)

Yellow (42%)

Blue (80%)

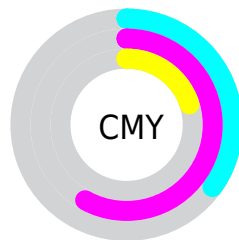


Cyan (19%)

Magenta (48%)

Yellow (0%)

Black (20%)



Cyan (35%)

Magenta (58%)

Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the RYB color 165, 106, 203 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 165, 106, 203 by changing the saturation by 10% instead.

 165, 106, 203


255, 255, 255

 222, 159, 255


 251, 186, 255

 255, 214, 255

 255, 243, 255

 165, 106, 203

 138, 81, 175

 111, 56, 148

 84, 31, 122

 59, 3, 97

 33, 0, 72

 0, 0, 49

 0, 1, 27

 0, 0, 0

 165, 106, 203

 165, 106, 203

■ 157, 86, 203

■ 173, 126, 203

■ 149, 65, 203

■ 181, 147, 203

■ 141, 45, 203

■ 189, 167, 203

■ 133, 25, 203

■ 197, 187, 203

■ 125, 5, 203

■ 203, 208, 206

■ 123, 0, 203

■ 203, 228, 218

■ 203, 248, 230

■ 203, 255, 229

■ 203, 255, 221

Harmonies

Analogous

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



76, 115, 229



165, 106, 203



209, 86, 159

Triad

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



165, 106, 203



115, 177, 22



0, 78, 155

Complementary

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



165, 106, 203



106, 203, 165

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, 91, 153



165, 106, 203



14, 136, 18

Square

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



165, 106, 203



209, 110, 61



54, 147, 128



0, 87, 201

Rectangle

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



165, 106, 203



221, 81, 125



54, 147, 128



0, 82, 155

Sweetspot

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



165, 106, 203



241, 219, 255



106, 134, 203



119, 106, 128



0, 0, 0



128, 128, 128

Same Dimension

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



165, 106, 203



198, 110, 255



203, 106, 193



98, 92, 102



101, 0, 166



23, 0, 38

Inverse Universe

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



203, 106, 144



255, 110, 167



106, 194, 203



102, 92, 96



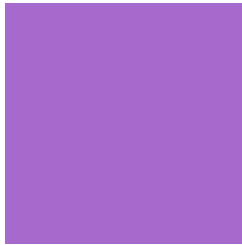
166, 0, 65



38, 0, 15

Previews

White Background



This preview shows how the RYB color 165, 106, 203 looks on a white background.

Color Contrast Check

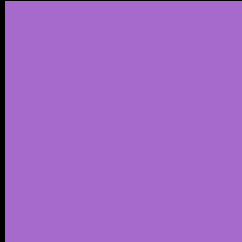
Large Text (above 18pt) WCAG AA ✓ Pass

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 165, 106, 203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

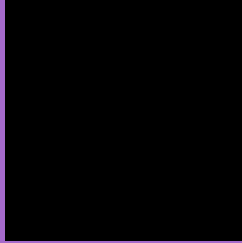
Any Text WCAG AA ✓ Pass

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 165, 106, 203 Background



This preview shows how black text looks on a background with the RYB color 165, 106, 203.

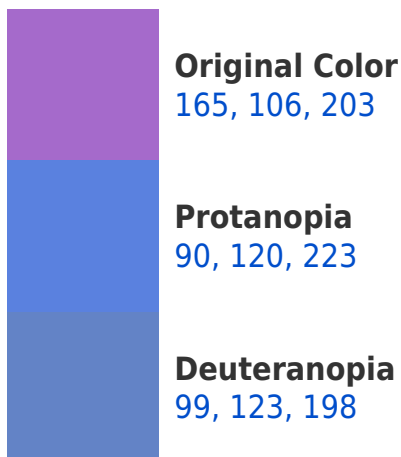


This preview shows how white text looks on a background with the RYB color 165, 106, 203.

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
154, 123, 132

Trichromacy



Original Color

165, 106, 203



Protanomaly

117, 120, 216



Deuteranomaly

123, 122, 200



Tritanomaly

158, 117, 158

Monochromacy



Original Color

165, 106, 203



Achromatopsia

135, 135, 135



Achromatomaly

146, 124, 160

CSS Examples

Text

The CSS property to change the color of the text to RYB 165, 106, 203 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(165, 106, 203)` looks like.

```
.text, #text, p{  
    color:rgb(165, 106, 203)  
}
```

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(165, 106, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 106, 203) }
```

Border

The CSS property to change the border of an element to RYB 165, 106, 203 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(165, 106, 203) }
```

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

```
.border{ border-color:rgb(165, 106, 203) }
```

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

Here you see how a box with a 4 pixel rgb(165, 106, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 106, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 106, 203);  
box-shadow:4px 4px 4px 4px rgb(165, 106,  
203) }
```

Background

The CSS property to change the background color of an element to RYB 165, 106, 203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 106, 203) }
```

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

```
.background{ background-color: rgb(165,  
106, 203) }
```

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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