

Converting Colors

`RYB(166, 108, 189)`

Have a look what the booklet for
RYB(166, 108, 189) contains.

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Color

R_YB(166, 108, 189)

Conversions

Conversions Part 1

Format	Color
Hex	A66CBD
RGB	166, 108, 189
RGB Percent	65%, 42%, 74%
CMY	0.3490, 0.5765, 0.2588
CMYK	0.12, 0.43, 0.00, 0.26
HSL	283°, 38%, 58%
HSV	283°, 43%, 74%
XYZ	30.2738, 22.5062, 50.8926
YIQ	134.5760, 8.5670, 37.4870

Conversions

Conversions Part 2

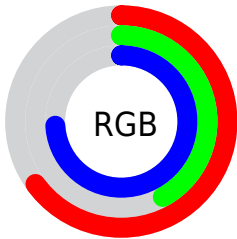
Format	Color
RYB	166, 108, 189
Decimal	10906813
CIELab	54.56, 37.33, -33.56
CIELCh	55, 50.194, 318.043
Yxy	22.5062, 0.2920, 0.2171
Android (android.graphics.Color)	4289096893 (0xFFA66CBD)
YUV	134.5760, 26.8310, 27.5588
Hunter-Lab	47.4407, 30.8864, -30.3956

Details

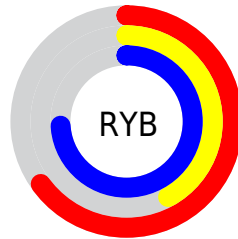
The RYB color **166, 108, 189** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **108, 189, 166**, and the grayscale version is **134, 134, 134**.

A 20% lighter version of the original color is **222, 161, 246**, and **112, 58, 135** is the 20% darker color. If you saturate the color by 10%, you get **161, 89, 189**, and if you desaturate by 10%, it is **171, 127, 189**.

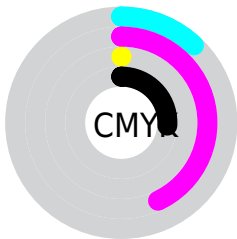
Distribution



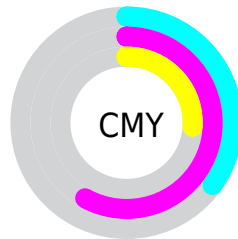
- Red (65%)
- Green (42%)
- Blue (74%)



- Red (65%)
- Yellow (42%)
- Blue (74%)



- Cyan (12%)
- Magenta (43%)
- Yellow (0%)
- Black (26%)



- Cyan (35%)
- Magenta (58%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the RYB color 166, 108, 189 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, 108, 189 by changing the saturation by 10% instead.

 166, 108, 189


255, 255, 255

 222, 161, 246

 251, 188, 255

 255, 216, 255

 255, 245, 255

 166, 108, 189

 139, 83, 162

 112, 58, 135

 87, 34, 110

 61, 8, 85


 38, 0, 61


 5, 0, 39


 0, 1, 16

 0, 0, 0

 166, 108, 189


 166, 108, 189

 161, 89, 189


 171, 127, 189

 155, 70, 189

 177, 146, 189

 150, 51, 189

 182, 165, 189

 145, 32, 189

 187, 184, 189

 139, 13, 189

 189, 203, 199

 135, 0, 189

 189, 221, 212

 189, 240, 225

 189, 255, 235

 189, 255, 230

Harmonies

Analogous

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



101, 121, 213



166, 108, 189



201, 93, 150

Triad

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



166, 108, 189



115, 169, 41



0, 77, 156

Complementary

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



166, 108, 189



108, 189, 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, 87, 151



166, 108, 189



41, 136, 48

Square

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



166, 108, 189



198, 121, 67



70, 146, 138



0, 84, 194

Rectangle

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



166, 108, 189



210, 91, 121



70, 146, 138



0, 79, 152

Sweetspot

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



166, 108, 189



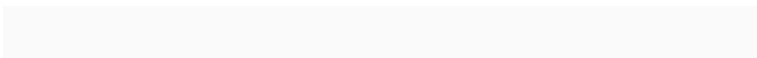
236, 213, 245



108, 127, 189



117, 103, 122



250, 250, 250



122, 122, 122

Same Dimension

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



166, 108, 189



209, 120, 245



189, 108, 173



92, 85, 94



113, 0, 158



22, 0, 31

Inverse Universe

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



189, 108, 131



245, 120, 155



108, 176, 189



94, 85, 88



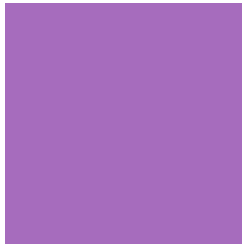
158, 0, 45



31, 0, 9

Previews

White Background



This preview shows how the RYB color 166, 108, 189 looks on a white background.

Color Contrast Check

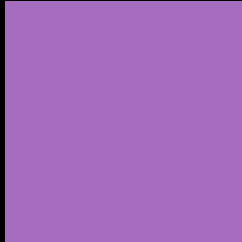
Large Text (above 18pt) WCAG AA ✓ Pass

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, 108, 189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

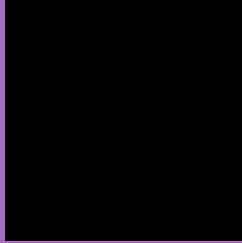
Any Text WCAG AA ✓ Pass

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 166, 108, 189 Background



This preview shows how black text looks on a background with the RYB color 166, 108, 189.

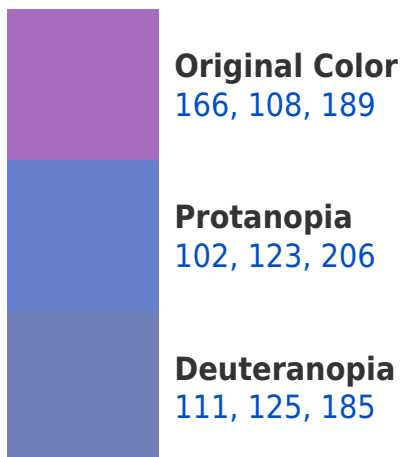


This preview shows how white text looks on a background with the RYB color 166, 108, 189.

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, 121, 130

Trichromacy



Original Color
166, 108, 189

Protanomaly
125, 121, 200

Deuteranomaly
131, 121, 186

Tritanomaly
160, 116, 151

Monochromacy



Original Color
166, 108, 189

Achromatopsia
135, 135, 135

Achromatomaly
146, 125, 155

CSS Examples

Text

The CSS property to change the color of the text to RYB 166, 108, 189 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, 108, 189)` looks like.

```
.text, #text, p{  
    color:rgb(166, 108, 189)  
}
```

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, 108, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 108, 189) }
```

Border

The CSS property to change the border of an element to RYB 166, 108, 189 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, 108, 189) }
```

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

```
.border{ border-color:rgb(166, 108, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 108, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 108, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 108, 189); box-shadow:4px 4px 4px 4px rgb(166, 108, 189) }
```

Background

The CSS property to change the background color of an element to RYB 166, 108, 189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 108, 189) }
```

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

```
.background{ background-color: rgb(166,  
108, 189) }
```

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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