

Converting Colors

`RYB(166, 104, 211)`

Have a look what the booklet for
RYB(166, 104, 211) contains.

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Color

R_YB(166, 104, 211)

Conversions

Conversions Part 1

Format	Color
Hex	A668D3
RGB	166, 104, 211
RGB Percent	65%, 41%, 83%
CMY	0.3490, 0.5922, 0.1725
CMYK	0.21, 0.51, 0.00, 0.17
HSL	275°, 55%, 62%
HSV	275°, 51%, 83%
XYZ	32.4341, 22.7108, 64.3022
YIQ	134.7360, 2.6050, 46.4210

Conversions

Conversions Part 2

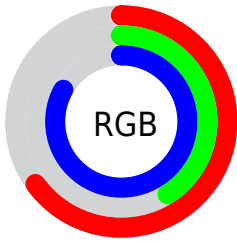
Format	Color
RYB	166, 104, 211
Decimal	10905811
CIELab	54.77, 44.34, -45.77
CIELCh	55, 63.732, 314.091
Yxy	22.7108, 0.2715, 0.1901
Android (android.graphics.Color)	4289095891 (0xFFA668D3)
YUV	134.7360, 37.5982, 27.4185
Hunter-Lab	47.6558, 38.0876, -46.6411

Details

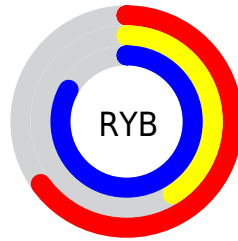
The RYB color **166, 104, 211** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **104, 211, 166**, and the grayscale version is **134, 134, 134**.

A 20% lighter version of the original color is **223, 157, 255**, and **111, 54, 156** is the 20% darker color. If you saturate the color by 10%, you get **157, 83, 211**, and if you desaturate by 10%, it is **175, 125, 211**.

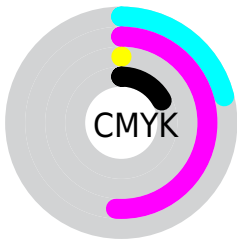
Distribution



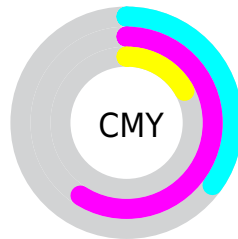
- Red (65%)
- Green (41%)
- Blue (83%)



- Red (65%)
- Yellow (41%)
- Blue (83%)



- Cyan (21%)
- Magenta (51%)
- Yellow (0%)
- Black (17%)



- Cyan (35%)
- Magenta (59%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the RYB color 166, 104, 211 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, 104, 211 by changing the saturation by 10% instead.

 166, 104, 211


255, 255, 255

 223, 157, 255


 252, 184, 255

 255, 212, 255

 255, 241, 255

 166, 104, 211

 138, 79, 183

 111, 54, 156

 85, 28, 129

 58, 0, 104

 32, 0, 79

 0, 0, 55

 0, 2, 33


 0, 0, 6


 0, 0, 0


 166, 104, 211

 166, 104, 211


 157, 83, 211


 175, 125, 211


 148, 62, 211

 184, 146, 211

 139, 41, 211


 193, 167, 211

 131, 20, 211


 201, 188, 211


 122, 0, 211

 210, 210, 211

 211, 231, 223

 211, 252, 235

 211, 255, 229

 211, 255, 220

Harmonies

Analogous

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



57, 109, 239



166, 104, 211



215, 79, 163

Triad

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



166, 104, 211



97, 181, 0



0, 78, 156

Complementary

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



166, 104, 211



104, 211, 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, 95, 155



166, 104, 211



0, 137, 4

Square

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



166, 104, 211



215, 104, 56



44, 148, 124



0, 88, 207

Rectangle

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



166, 104, 211



228, 73, 126



44, 148, 124



0, 83, 156

Sweetspot

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



166, 104, 211



239, 217, 255



104, 136, 211



118, 105, 128



0, 0, 0



128, 128, 128

Same Dimension

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



166, 104, 211



190, 99, 255



211, 104, 204



100, 94, 105



98, 0, 168



24, 0, 41

Inverse Universe

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



211, 104, 149



255, 99, 165



104, 204, 211



105, 94, 98



168, 0, 71



41, 0, 17

Previews

White Background



This preview shows how the RYB color 166, 104, 211 looks on a white background.

Color Contrast Check

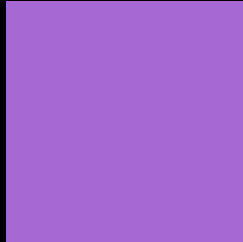
Large Text (above 18pt) WCAG AA ✓ Pass

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, 104, 211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

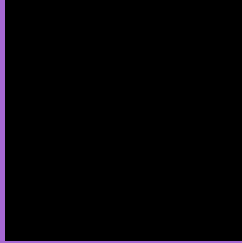
Any Text WCAG AA ✓ Pass

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, 104, 211 Background



This preview shows how black text looks on a background with the RYB color 166, 104, 211.

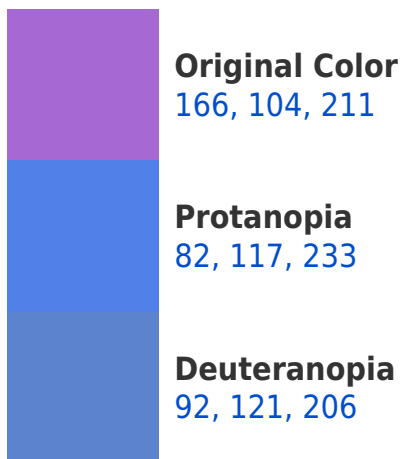



This preview shows how white text looks on a background with the RYB color 166, 104, 211.

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
153, 123, 133

Trichromacy



Original Color
166, 104, 211



Protanomaly
113, 119, 225



Deuteranomaly
119, 121, 208



Tritanomaly
158, 116, 161

Monochromacy



Original Color
166, 104, 211



Achromatopsia
135, 135, 135



Achromatomaly
146, 124, 163

CSS Examples

Text

The CSS property to change the color of the text to RYB 166, 104, 211 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, 104, 211)` looks like.

```
.text, #text, p{  
    color:rgb(166, 104, 211)  
}
```

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, 104, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 104, 211) }
```

Border

The CSS property to change the border of an element to RYB 166, 104, 211 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, 104, 211) }
```

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

```
.border{ border-color:rgb(166, 104, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 104, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 104, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 104, 211);  
box-shadow:4px 4px 4px 4px rgb(166, 104,  
211) }
```

Background

The CSS property to change the background color of an element to RYB 166, 104, 211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 104, 211) }
```

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

```
.background{ background-color: rgb(166,  
104, 211) }
```

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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