

Converting Colors

`RYB(166, 68, 116)`

Have a look what the booklet for
RYB(166, 68, 116) contains.

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Color

$\text{RYB}(166, 68, 116)$

Conversions

Conversions Part 1

Format	Color
Hex	A64474
RGB	166, 68, 116
RGB Percent	65%, 27%, 45%
CMY	0.3490, 0.7333, 0.5451
CMYK	0.00, 0.59, 0.30, 0.35
HSL	331°, 42%, 46%
HSV	331°, 59%, 65%
XYZ	20.9454, 13.5022, 18.0252
YIQ	102.7740, 43.0000, 35.7040

Conversions

Conversions Part 2

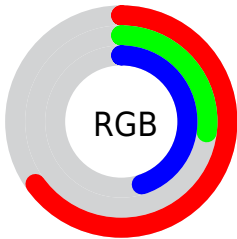
Format	Color
R_{YB}	166, 68, 116
Decimal	10896500
CIE _{Lab}	43.51, 45.50, -7.21
CIE _{LCh}	44, 46.067, 350.992
Yxy	13.5022, 0.3992, 0.2573
Android (android.graphics.Color)	4289086580 (0xFFA64474)
YUV	102.7740, 6.5204, 55.4492
Hunter-Lab	36.7453, 37.4434, -3.3627

Details

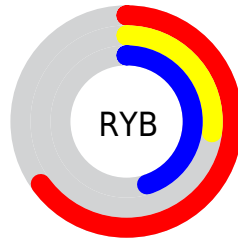
The RYB color **166, 68, 116** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **68, 133, 166**, and the grayscale version is **103, 103, 103**.

A 20% lighter version of the original color is **224, 121, 168**, and **111, 8, 68** is the 20% darker color. If you saturate the color by 10%, you get **166, 51, 108**, and if you desaturate by 10%, it is **166, 85, 124**.

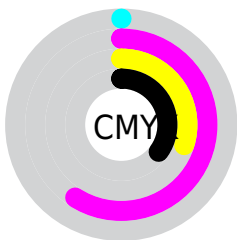
Distribution



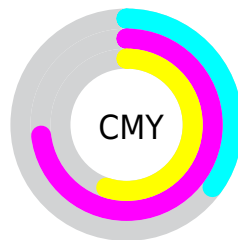
- Red (65%)
- Green (27%)
- Blue (45%)



- Red (65%)
- Yellow (27%)
- Blue (45%)



- Cyan (0%)
- Magenta (59%)
- Yellow (30%)
- Black (35%)



- Cyan (35%)
- Magenta (73%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the RYB color 166, 68, 116 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, 68, 116 by changing the saturation by 10% instead.

 166, 68, 116

 166, 68, 116

255, 255, 255

 138, 41, 91

 224, 121, 168

 111, 8, 68

 253, 148, 195

 84, 0, 46

 255, 175, 223

 59, 0, 25

 255, 203, 252

 31, 0, 1

 255, 232, 255

 0, 0, 0


 166, 68, 116

 166, 68, 116

 166, 51, 108

 166, 85, 124

 166, 35, 99

 166, 101, 133

166, 18, 91

166, 118, 141

166, 2, 82

166, 134, 150

166, 0, 81

166, 151, 158

166, 167, 168

166, 178, 184

166, 189, 201

166, 200, 217

Harmonies

Analogous

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



138, 81, 151



166, 68, 116



172, 69, 78

Triad

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



166, 68, 116



23, 109, 35



0, 68, 161

Complementary

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



166, 68, 116



68, 133, 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, 62, 129



166, 68, 116



49, 114, 117

Square

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



166, 68, 116



71, 132, 20



0, 69, 120



0, 68, 178

Rectangle

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



166, 68, 116



165, 83, 54



0, 69, 120



0, 67, 152

Sweetspot

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



166, 68, 116



217, 178, 197



117, 68, 166



110, 86, 97



237, 237, 237



110, 110, 110

Same Dimension

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



166, 68, 116



217, 63, 138



166, 68, 68



84, 76, 80



148, 0, 72



20, 0, 10

Inverse Universe

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



166, 68, 116



217, 63, 138



68, 117, 166



84, 76, 80



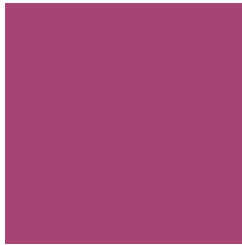
148, 0, 72



20, 0, 10

Previews

White Background



This preview shows how the RYB color 166, 68, 116 looks on a white background.

Color Contrast Check

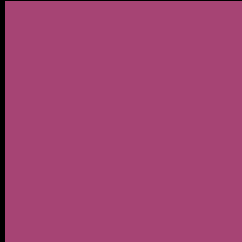
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 166, 68, 116 looks on a black 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

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

R Y B 166, 68, 116 Background



This preview shows how black text looks on a background with the R Y B color 166, 68, 116.

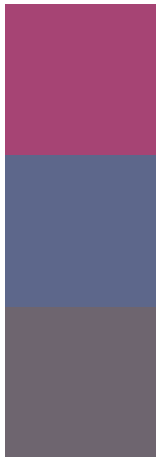


This preview shows how white text looks on a background with the R Y B color 166, 68, 116.

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



Original Color
166, 68, 116

Protanopia
93, 101, 139

Deuteranopia
110, 101, 111



Tritanopia

163, 76, 81

Trichromacy



Original Color

166, 68, 116

Protanomaly

120, 90, 131

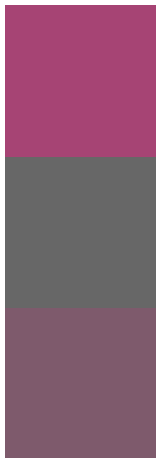
Deuteranomaly

130, 89, 113

Tritanomaly

164, 73, 94

Monochromacy



Original Color

166, 68, 116

Achromatopsia

103, 103, 103

Achromatomaly

126, 90, 108

CSS Examples

Text

The CSS property to change the color of the text to RYB 166, 68, 116 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, 68, 116)` looks like.

```
.text, #text, p{  
    color:rgb(166, 68, 116)  
}
```

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, 68, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 68, 116) }
```

Border

The CSS property to change the border of an element to RYB 166, 68, 116 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, 68, 116) }
```

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

```
.border{ border-color:rgb(166, 68, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 68, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 68, 116); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 68, 116); box-shadow:4px 4px 4px 4px rgb(166, 68, 116) }
```

Background

The CSS property to change the background color of an element to RYB 166, 68, 116 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 68, 116) }
```

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

```
.background{ background-color: rgb(166, 68,  
116) }
```

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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