

Converting Colors

`RYB(166, 118, 163)`

Have a look what the booklet for
RYB(166, 118, 163) contains.

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Color

R_YB(166, 118, 163)

Conversions

Conversions Part 1

Format	Color
Hex	A676A3
RGB	166, 118, 163
RGB Percent	65%, 46%, 64%
CMY	0.3490, 0.5373, 0.3608
CMYK	0.00, 0.29, 0.02, 0.35
HSL	304°, 21%, 56%
HSV	304°, 29%, 65%
XYZ	28.8152, 23.7082, 37.7077
YIQ	137.4820, 14.1630, 24.1710

Conversions

Conversions Part 2

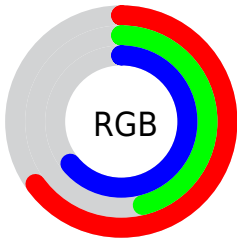
Format	Color
R _Y B	166, 118, 163
Decimal	10909347
CIE Lab	55.79, 26.43, -16.67
CIE LCh	56, 31.247, 327.767
Yxy	23.7082, 0.3193, 0.2627
Android (android.graphics.Color)	4289099427 (0xFFA676A3)
YUV	137.4820, 12.5804, 25.0103
Hunter-Lab	48.6911, 20.4262, -11.8321

Details

The RYB color **166, 118, 163** is a light color, and the websafe version is hex **996699**. A complement of this color would be **118, 163, 166**, and the grayscale version is **137, 137, 137**.

A 20% lighter version of the original color is **222, 171, 218**, and **113, 69, 111** is the 20% darker color. If you saturate the color by 10%, you get **166, 101, 162**, and if you desaturate by 10%, it is **166, 135, 164**.

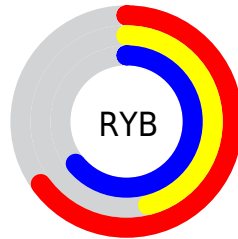
Distribution



Red (65%)

Green (46%)

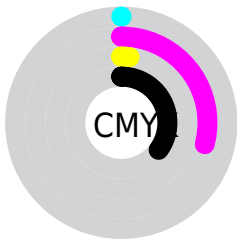
Blue (64%)



Red (65%)

Yellow (46%)

Blue (64%)

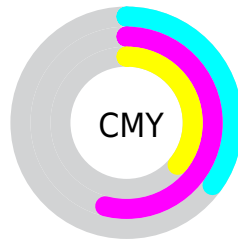


Cyan (0%)

Magenta (29%)

Yellow (2%)

Black (35%)



Cyan (35%)

Magenta (54%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the RYB color 166, 118, 163 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, 118, 163 by changing the saturation by 10% instead.

 166, 118, 163

255, 255, 255

 222, 171, 218

 250, 198, 246

 255, 226, 255


 166, 118, 163


 139, 93, 137

 113, 69, 111

 88, 45, 87

 64, 23, 63

 41, 0, 41

 11, 0, 20

 0, 0, 0

 166, 118, 163


 166, 101, 162

 166, 118, 163

 166, 135, 164

 166, 85, 161

 166, 151, 165

 166, 68, 160

 166, 168, 168

 166, 52, 159

 166, 183, 184

 166, 35, 158

 166, 199, 201

 166, 18, 157

 166, 215, 218

 166, 2, 156

 166, 230, 234

 166, 0, 156

 166, 246, 251

 166, 249, 255

Harmonies

Analogous

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



134, 127, 182



166, 118, 163



184, 113, 137

Triad

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



166, 118, 163



110, 153, 79



21, 87, 158

Complementary

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



166, 118, 163



118, 163, 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.



57, 107, 148



166, 118, 163



85, 140, 99

Square

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



166, 118, 163



175, 143, 89



94, 137, 145



43, 101, 179

Rectangle

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



166, 118, 163



187, 113, 118



94, 137, 145



31, 90, 149

Sweetspot

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



166, 118, 163



217, 197, 216



120, 118, 166



110, 98, 109



237, 237, 237



110, 110, 110

Same Dimension

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



166, 118, 163



217, 141, 212



166, 118, 140



84, 76, 84



148, 0, 139



20, 0, 19

Inverse Universe

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



166, 118, 163



217, 141, 212



118, 149, 166



84, 76, 84



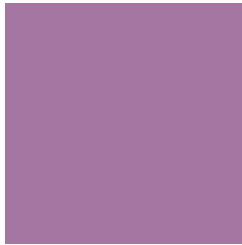
148, 0, 139



20, 0, 19

Previews

White Background



This preview shows how the RYB color 166, 118, 163 looks on a white background.

Color Contrast Check

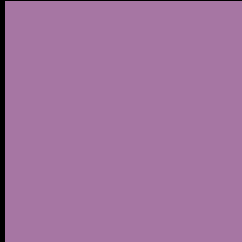
Large Text (above 18pt) WCAG AA ✓ Pass

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, 118, 163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

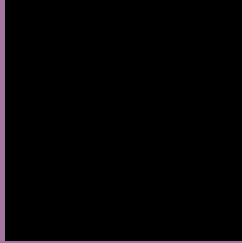
Any Text WCAG AA ✓ Pass

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, 118, 163 Background



This preview shows how black text looks on a background with the RYB color 166, 118, 163.



This preview shows how white text looks on a background with the RYB color 166, 118, 163.

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, 118, 163

Protanopia

123, 131, 173

Deuteranopia

134, 131, 161



Tritanopia
162, 124, 133

Trichromacy



Original Color
166, 118, 163

Protanomaly
139, 127, 169

Deuteranomaly
146, 126, 162

Tritanomaly
163, 122, 144

Monochromacy



Original Color
166, 118, 163

Achromatopsia
137, 137, 137

Achromatomaly
148, 130, 146

CSS Examples

Text

The CSS property to change the color of the text to RYB 166, 118, 163 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, 118, 163) looks like.

```
.text, #text, p{  
    color:rgb(166, 118, 163)  
}
```

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, 118, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 118, 163) }
```

Border

The CSS property to change the border of an element to RYB 166, 118, 163 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, 118, 163) }
```

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

```
.border{ border-color:rgb(166, 118, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 118, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 118, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 118, 163);  
box-shadow:4px 4px 4px 4px rgb(166, 118,  
163) }
```

Background

The CSS property to change the background color of an element to RYB 166, 118, 163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 118, 163) }
```

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

```
.background{ background-color: rgb(166,  
118, 163) }
```

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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