

Converting Colors

`RYB(166, 58, 121)`

Have a look what the booklet for
RYB(166, 58, 121) contains.

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Color

`RYB(166, 58, 121)`

Conversions

Conversions Part 1

Format	Color
Hex	A63A79
RGB	166, 58, 121
RGB Percent	65%, 23%, 47%
CMY	0.3490, 0.7725, 0.5255
CMYK	0.00, 0.65, 0.27, 0.35
HSL	325°, 48%, 44%
HSV	325°, 65%, 65%
XYZ	20.6901, 12.5136, 19.4140
YIQ	97.4740, 44.1450, 42.4890

Conversions

Conversions Part 2

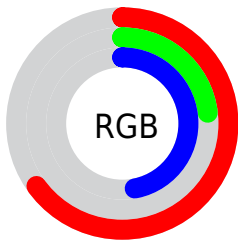
Format	Color
RYB	166, 58, 121
Decimal	10893945
CIELab	42.02, 50.69, -12.53
CIELCh	42, 52.213, 346.113
Yxy	12.5136, 0.3932, 0.2378
Android (android.graphics.Color)	4289084025 (0xFFA63A79)
YUV	97.4740, 11.5983, 60.0973
Hunter-Lab	35.3745, 42.4970, -7.7770

Details

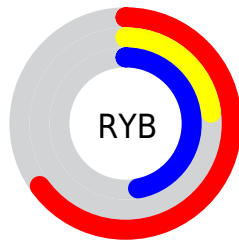
The RYB color **166, 58, 121** is a dark color, and the websafe version is hex **993366**, and the color name is **maximum red purple**. A complement of this color would be **58, 134, 166**, and the grayscale version is **97, 97, 97**.

A 20% lighter version of the original color is **224, 112, 173**, and **110, 0, 72** is the 20% darker color. If you saturate the color by 10%, you get **166, 41, 114**, and if you desaturate by 10%, it is **166, 75, 128**.

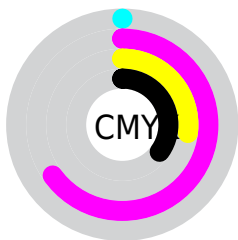
Distribution



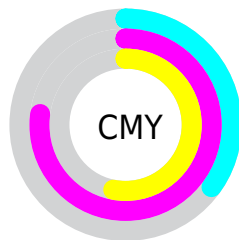
- Red (65%)
- Green (23%)
- Blue (47%)



- Red (65%)
- Yellow (23%)
- Blue (47%)



- Cyan (0%)
- Magenta (65%)
- Yellow (27%)
- Black (35%)



- Cyan (35%)
- Magenta (77%)
- Yellow (53%)


Brightness & Saturation Gradients

These gradients show how the RYB color 166, 58, 121 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, 58, 121 by changing the saturation by 10% instead.

 166, 58, 121

255, 255, 255

 224, 112, 173

 254, 139, 201

 255, 167, 229

 255, 195, 255

 255, 224, 255

 255, 253, 255

 166, 58, 121

 138, 28, 96

 110, 0, 72

 83, 0, 50

 59, 0, 29

 30, 0, 1

 0, 0, 0

 166, 58, 121

 166, 41, 114

 166, 58, 121

 166, 75, 128

166, 25, 107

166, 91, 135

166, 8, 100

166, 108, 142

166, 0, 97

166, 124, 149

166, 141, 156

166, 158, 162

166, 172, 174

166, 184, 191

166, 195, 207

Harmonies

Analogous

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



130, 77, 159



166, 58, 121



176, 55, 78

Triad

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



166, 58, 121



0, 104, 6



0, 68, 160

Complementary

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



166, 58, 121



58, 134, 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, 60, 122



166, 58, 121



34, 113, 102

Square

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



166, 58, 121



70, 136, 0



0, 71, 118



0, 69, 183

Rectangle

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



166, 58, 121



170, 67, 51



0, 71, 118



0, 66, 149

Sweetspot

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



166, 58, 121



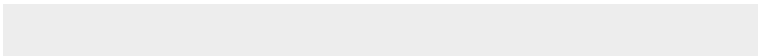
217, 173, 199



103, 58, 166



110, 83, 99



237, 237, 237



110, 110, 110

Same Dimension

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



166, 58, 121



217, 48, 146



166, 58, 67



84, 76, 81



148, 0, 86



20, 0, 12

Inverse Universe

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



166, 58, 121



217, 48, 146



58, 114, 166



84, 76, 81



148, 0, 86



20, 0, 12

Previews

White Background



This preview shows how the RYB color 166, 58, 121 looks on a white background.

Color Contrast Check

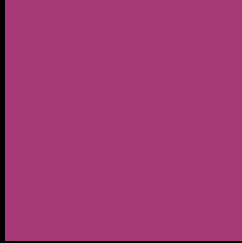
Large Text (above 18pt) WCAG AA ✓ Pass

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, 58, 121 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](#).

RYB 166, 58, 121 Background



This preview shows how black text looks on a background with the RYB color 166, 58, 121.

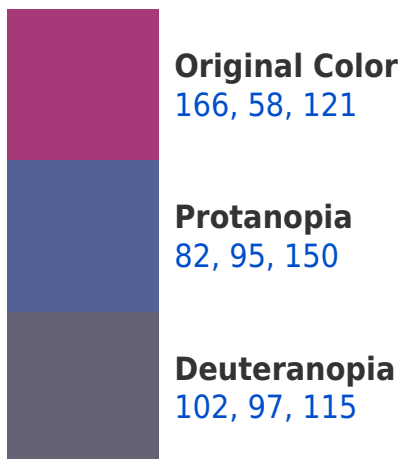


This preview shows how white text looks on a background with the RYB color 166, 58, 121.

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
162, 70, 74

Trichromacy



Original Color

166, 58, 121

Protanomaly

113, 83, 139

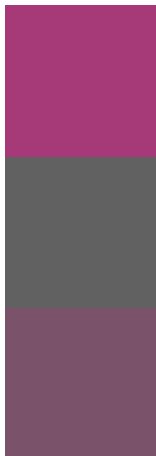
Deuteranomaly

125, 83, 117

Tritanomaly

163, 66, 91

Monochromacy



Original Color

166, 58, 121

Achromatopsia

97, 97, 97

Achromatomaly

122, 83, 106

CSS Examples

Text

The CSS property to change the color of the text to RYB 166, 58, 121 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, 58, 121)` looks like.

```
.text, #text, p{  
    color:rgb(166, 58, 121)  
}
```

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, 58, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 58, 121) }
```

Border

The CSS property to change the border of an element to RYB 166, 58, 121 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, 58, 121) }
```

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

```
.border{ border-color:rgb(166, 58, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 58, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 58, 121); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 58, 121); box-shadow:4px 4px 4px 4px rgb(166, 58, 121) }
```

Background

The CSS property to change the background color of an element to RGB 166, 58, 121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 58, 121) }
```

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

```
.background{ background-color: rgb(166, 58,  
121) }
```

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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