

Converting Colors

`RYB(217, 58, 118)`

Have a look what the booklet for
RYB(217, 58, 118) contains.

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Color

RYB(217, 58, 118)

Conversions

Conversions Part 1	
Format	Color
Hex	D93A76
RGB	217, 58, 118
RGB Percent	85%, 23%, 46%
CMY	0.1490, 0.7725, 0.5373
CMYK	0.00, 0.73, 0.46, 0.15
HSL	337°, 68%, 54%
HSV	337°, 73%, 85%
XYZ	33.3983, 19.0858, 19.0632
YIQ	112.3810, 75.5040, 52.3680

Conversions

Conversions Part 2

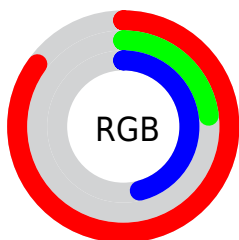
Format	Color
RYB	217, 58, 118
Decimal	14236278
CIELab	50.79, 64.95, 3.26
CIELCh	51, 65.035, 2.878
Yxy	19.0858, 0.4668, 0.2668
Android (android.graphics.Color)	4292426358 (0xFFD93A76)
YUV	112.3810, 2.7702, 91.7509
Hunter-Lab	43.6873, 60.0079, 4.7096

Details

The RYB color **217, 58, 118** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted rose. A complement of this color would be **58, 156, 217**, and the grayscale version is **112, 112, 112**.

A 20% lighter version of the original color is **255, 118, 170**, and **156, 0, 70** is the 20% darker color. If you saturate the color by 10%, you get **217, 36, 104**, and if you desaturate by 10%, it is **217, 80, 132**.

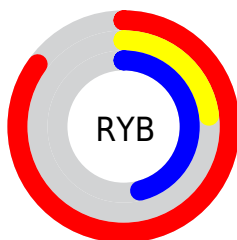
Distribution



Red (85%)

Green (23%)

Blue (46%)



Red (85%)

Yellow (23%)

Blue (46%)

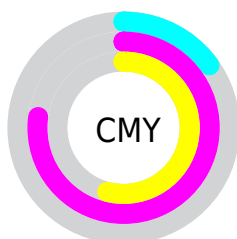


Cyan (0%)

Magenta (73%)

Yellow (46%)

Black (15%)



Cyan (15%)

Magenta (77%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the RYB color 217, 58, 118 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 217, 58, 118 by changing the saturation by 10% instead.



217, 58, 118



217, 58, 118

255, 255, 255



187, 18, 93



255, 118, 170



156, 0, 70



255, 146, 197



127, 0, 48



255, 175, 225



97, 0, 28



255, 204, 254



71, 0, 3



255, 234, 255



39, 0, 1



0, 0, 0



217, 58, 118



217, 58, 118



217, 36, 104



217, 80, 132


 217, 15, 91

 217, 101, 145

 217, 0, 82

 217, 123, 159

 217, 145, 172

 217, 166, 186

 217, 188, 199

 217, 210, 213

 217, 226, 232

 217, 239, 253

Harmonies

Analogous

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



191, 75, 173



217, 58, 118



213, 72, 64

Triad

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



217, 58, 118



0, 135, 51



0, 86, 220

Complementary

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



217, 58, 118



58, 156, 217

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, 80, 180



217, 58, 118



0, 96, 142

Square

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



217, 58, 118



25, 141, 0



0, 79, 146



0, 82, 233

Rectangle

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



217, 58, 118



196, 125, 29



0, 79, 146



0, 85, 209

Sweetspot

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



217, 58, 118



255, 199, 220



156, 58, 217



128, 94, 107



0, 0, 0



128, 128, 128

Same Dimension

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



217, 58, 118



255, 31, 115



217, 80, 58



110, 99, 103



173, 0, 65



46, 0, 17

Inverse Universe

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



217, 58, 118



255, 31, 115



58, 132, 217



110, 99, 103



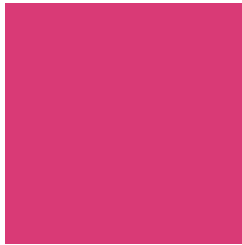
173, 0, 65



46, 0, 17

Previews

White Background



This preview shows how the RYB color 217, 58, 118 looks on a white background.

Color Contrast Check

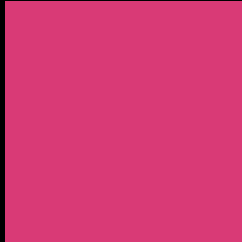
Large Text (above 18pt) WCAG AA ✓ Pass

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 217, 58, 118 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 217, 58, 118 Background



This preview shows how black text looks on a background with the RYB color 217, 58, 118.



This preview shows how white text looks on a background with the RYB color 217, 58, 118.

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

217, 58, 118

Protanopia

113, 119, 154

Deuteranopia

137, 119, 110



Tritanopia

214, 69, 73

Trichromacy



Original Color

217, 58, 118



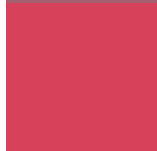
Protanomaly

151, 97, 141



Deuteranomaly

166, 96, 113



Tritanomaly

215, 65, 89

Monochromacy



Original Color

217, 58, 118



Achromatopsia

112, 112, 112



Achromatomaly

150, 92, 114

CSS Examples

Text

The CSS property to change the color of the text to RGB 217, 58, 118 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(217, 58, 118) looks like.

```
.text, #text, p{  
    color:rgb(217, 58, 118)  
}
```

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(217, 58, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 58, 118) }
```

Border

The CSS property to change the border of an element to RYB 217, 58, 118 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(217, 58, 118) }
```

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

```
.border{ border-color:rgb(217, 58, 118) }
```

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

Here you see how a box with a 4 pixel rgb(217, 58, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 58, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 58, 118);  
box-shadow:4px 4px 4px 4px rgb(217, 58,  
118) }
```

Background

The CSS property to change the background color of an element to RGB 217, 58, 118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:rgb(217, 58, 118) }
```

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

```
.background{ background-color:rgb(217, 58,  
118) }
```

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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