

Converting Colors

`RYB(233, 57, 118)`

Have a look what the booklet for
RYB(233, 57, 118) contains.

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Color

R_{YB}(233, 57, 118)

Conversions

Conversions Part 1

Format	Color
Hex	E93976
RGB	233, 57, 118
RGB Percent	91%, 22%, 46%
CMY	0.0863, 0.7765, 0.5373
CMYK	0.00, 0.76, 0.49, 0.09
HSL	339°, 80%, 57%
HSV	339°, 76%, 91%
XYZ	38.3374, 21.5579, 19.2800
YIQ	116.5780, 85.3150, 56.2830

Conversions

Conversions Part 2

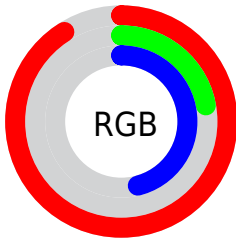
Format	Color
R_{YB}	233, 57, 118
Decimal	15284598
CIE _{Lab}	53.55, 69.62, 7.61
CIE _{LCh}	54, 70.039, 6.241
Yxy	21.5579, 0.4842, 0.2723
Android (android.graphics.Color)	4293474678 (0xFFE93976)
YUV	116.5780, 0.7010, 102.1021
Hunter-Lab	46.4305, 66.1332, 7.8815

Details

The RYB color **233, 57, 118** is a dark color, and the websafe version is hex **CC3366**. The color can be described as middle washed rose. A complement of this color would be **57, 163, 233**, and the grayscale version is **117, 117, 117**.

A 20% lighter version of the original color is **255, 119, 170**, and **171, 0, 70** is the 20% darker color. If you saturate the color by 10%, you get **233, 34, 103**, and if you desaturate by 10%, it is **233, 80, 133**.

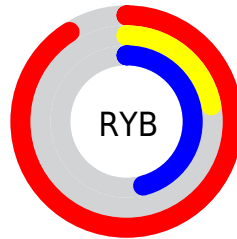
Distribution



Red (91%)

Green (22%)

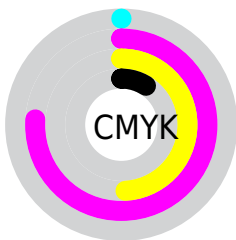
Blue (46%)



Red (91%)

Yellow (22%)

Blue (46%)

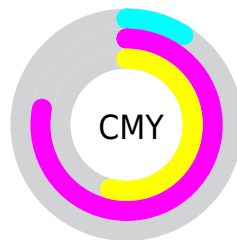


Cyan (0%)

Magenta (76%)

Yellow (49%)

Black (9%)



Cyan (9%)


Magenta (78%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the RYB color 233, 57, 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 233, 57, 118 by changing the saturation by 10% instead.

 233, 57, 118

255, 255, 255


 255, 119, 170

 255, 148, 197

 255, 177, 225

 255, 207, 254

 255, 237, 255

 233, 57, 118

 202, 9, 94

 171, 0, 70


 141, 0, 48

 111, 0, 28

 82, 0, 2

 51, 0, 2

 0, 0, 0

 233, 57, 118

 233, 34, 103

 233, 57, 118

 233, 80, 133

■ 233, 10, 88

■ 233, 104, 148

■ 233, 0, 81

■ 233, 127, 164

■ 233, 150, 179

■ 233, 173, 194

■ 233, 197, 209

■ 233, 220, 225

■ 233, 239, 243

■ 233, 244, 255

Harmonies

Analogous

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



209, 74, 178



233, 57, 118



225, 79, 60

Triad

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



233, 57, 118



0, 144, 66



0, 91, 239

Complementary

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



233, 57, 118



57, 163, 233

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, 87, 198



233, 57, 118



0, 101, 152

Square

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



233, 57, 118



16, 143, 0



0, 82, 155



0, 86, 249

Rectangle

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



233, 57, 118



205, 155, 18



0, 82, 155



0, 90, 228

Sweetspot

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



233, 57, 118



255, 196, 217



171, 57, 233



128, 92, 104



0, 0, 0



128, 128, 128

Same Dimension

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



233, 57, 118



255, 23, 103



233, 88, 57



117, 106, 110



181, 0, 63



54, 0, 19

Inverse Universe

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



233, 57, 118



255, 23, 103



57, 138, 233



117, 106, 110



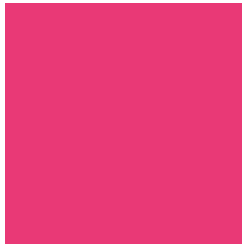
181, 0, 63



54, 0, 19

Previews

White Background



This preview shows how the RYB color 233, 57, 118 looks on a white background.

Color Contrast Check

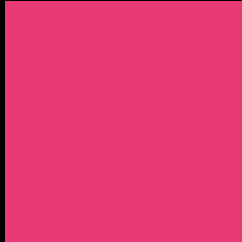
Large Text (above 18pt) WCAG AA ✓ Pass

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 233, 57, 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 233, 57, 118 Background



This preview shows how black text looks on a background with the RYB color 233, 57, 118.



This preview shows how white text looks on a background with the RYB color 233, 57, 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](#).

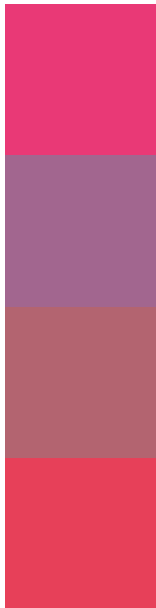
Dichromacy





Tritanopia
230, 68, 72

Trichromacy



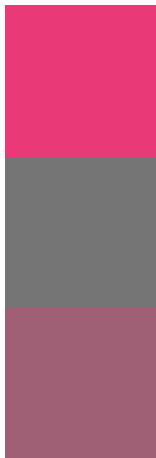
Original Color
233, 57, 118

Protanomaly
162, 102, 143

Deuteranomaly
179, 100, 112

Tritanomaly
231, 64, 89

Monochromacy



Original Color
233, 57, 118

Achromatopsia
117, 117, 117

Achromatomaly
159, 95, 117

CSS Examples

Text

The CSS property to change the color of the text to RYB 233, 57, 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(233, 57, 118)` looks like.

```
.text, #text, p{  
    color:rgb(233, 57, 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(233, 57, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 57, 118) }
```

Border

The CSS property to change the border of an element to RYB 233, 57, 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(233, 57, 118) }
```

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

```
.border{ border-color:rgb(233, 57, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 57, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 57, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 57, 118);  
box-shadow:4px 4px 4px 4px rgb(233, 57,  
118) }
```

Background

The CSS property to change the background color of an element to RGB 233, 57, 118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 57, 118) }
```

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

```
.background{ background-color: rgb(233, 57,  
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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