

Converting Colors

`RYB(230, 101, 158)`

Have a look what the booklet for
RYB(230, 101, 158) contains.

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Color

R_YB(230, 101, 158)

Conversions

Conversions Part 1

Format	Color
Hex	E6659E
RGB	230, 101, 158
RGB Percent	90%, 40%, 62%
CMY	0.0980, 0.6039, 0.3804
CMYK	0.00, 0.56, 0.31, 0.10
HSL	333°, 72%, 65%
HSV	333°, 56%, 90%
XYZ	43.4584, 28.5990, 35.5774
YIQ	146.0690, 58.5870, 45.0750

Conversions

Conversions Part 2

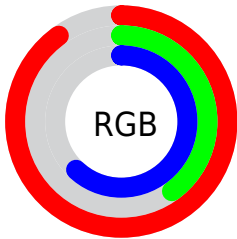
Format	Color
R _Y B	230, 101, 158
Decimal	15099294
CIE Lab	60.43, 55.77, -5.98
CIE LCh	60, 56.093, 353.876
Yxy	28.5990, 0.4038, 0.2657
Android (android.graphics.Color)	4293289374 (0xFFE6659E)
YUV	146.0690, 5.8820, 73.6075
Hunter-Lab	53.4780, 51.4697, -2.0093

Details

The RYB color **230, 101, 158** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **101, 184, 230**, and the grayscale version is **146, 146, 146**.

A 20% lighter version of the original color is **255, 156, 213**, and **171, 44, 107** is the 20% darker color. If you saturate the color by 10%, you get **230, 78, 145**, and if you desaturate by 10%, it is **230, 124, 171**.

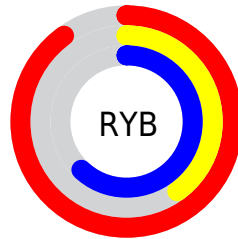
Distribution



Red (90%)

Green (40%)

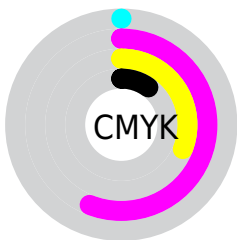
Blue (62%)



Red (90%)

Yellow (40%)

Blue (62%)

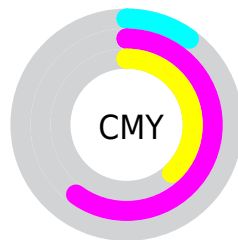


Cyan (0%)

Magenta (56%)

Yellow (31%)

Black (10%)



Cyan (10%)


Magenta (60%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the RYB color 230, 101, 158 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 230, 101, 158 by changing the saturation by 10% instead.


 230, 101, 158

 230, 101, 158

255, 255, 255

 200, 73, 132

 255, 156, 213

 171, 44, 107

 255, 185, 241

 142, 1, 83

 255, 214, 255

 114, 0, 60

 255, 243, 255


 86, 0, 38

 61, 0, 17

 28, 0, 1

 0, 0, 0

 230, 101, 158

 230, 101, 158

■ 230, 78, 145

■ 230, 124, 171

■ 230, 55, 132

■ 230, 147, 184

■ 230, 32, 119

■ 230, 170, 197

■ 230, 9, 107

■ 230, 193, 209

■ 230, 0, 102

■ 230, 216, 222

■ 230, 236, 239

■ 230, 245, 255

■ 230, 243, 255

Harmonies

Analogous

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



196, 116, 205



230, 101, 158



235, 104, 109

Triad

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



230, 101, 158



47, 155, 69



0, 95, 225

Complementary

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



230, 101, 158



101, 184, 230

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, 88, 184



230, 101, 158



69, 151, 164

Square

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



230, 101, 158



98, 181, 40



0, 94, 169



0, 94, 244

Rectangle

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



230, 101, 158



225, 125, 79



0, 94, 169



0, 94, 213

Sweetspot

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



230, 101, 158



255, 212, 231



172, 101, 230



128, 102, 113



0, 0, 0



128, 128, 128

Same Dimension

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



230, 101, 158



255, 84, 160



230, 107, 101



115, 103, 108



179, 0, 79



51, 0, 23

Inverse Universe

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



230, 101, 158



255, 84, 160



101, 164, 230



115, 103, 108



179, 0, 79



51, 0, 23

Previews

White Background



This preview shows how the RYB color 230, 101, 158 looks on a white background.

Color Contrast Check

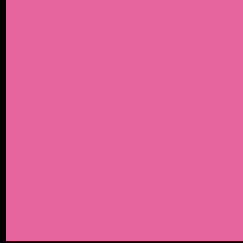
Large Text (above 18pt) WCAG AA ✓ Pass

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 230, 101, 158 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 230, 101, 158 Background



This preview shows how black text looks on a background with the RYB color 230, 101, 158.



This preview shows how white text looks on a background with the RYB color 230, 101, 158.

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
230, 101, 158

Protanopia
136, 144, 186

Deuteranopia
158, 142, 152



Tritanopia
227, 109, 117

Trichromacy



Original Color

230, 101, 158



Protanomaly

170, 129, 176



Deuteranomaly

184, 127, 154



Tritanomaly

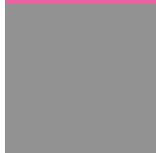
228, 106, 132

Monochromacy



Original Color

230, 101, 158



Achromatopsia

146, 146, 146



Achromatomaly

177, 130, 150

CSS Examples

Text

The CSS property to change the color of the text to RYB 230, 101, 158 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(230, 101, 158) looks like.

```
.text, #text, p{  
    color:rgb(230, 101, 158)  
}
```

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(230, 101, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 101, 158) }
```

Border

The CSS property to change the border of an element to RYB 230, 101, 158 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(230, 101, 158) }
```

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

```
.border{ border-color:rgb(230, 101, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 101, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 101, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 101, 158);  
box-shadow:4px 4px 4px 4px rgb(230, 101,  
158) }
```

Background

The CSS property to change the background color of an element to RGB 230, 101, 158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 101, 158) }
```

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

```
.background{ background-color: rgb(230,  
101, 158) }
```

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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