

Converting Colors

`RYB(230, 117, 192)`

Have a look what the booklet for
RYB(230, 117, 192) contains.

RYB(230, 117, 192)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(230, 117, 192)

Conversions

Conversions Part 1

Format	Color
Hex	E675C0
RGB	230, 117, 192
RGB Percent	90%, 46%, 75%
CMY	0.0980, 0.5412, 0.2471
CMYK	0.00, 0.49, 0.17, 0.10
HSL	320°, 69%, 68%
HSV	320°, 49%, 90%
XYZ	48.5088, 33.3513, 53.7499
YIQ	159.3370, 43.2730, 47.2810

Conversions

Conversions Part 2

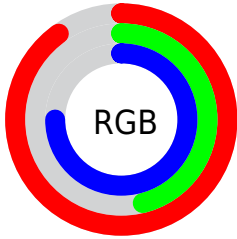
Format	Color
R _Y B	230, 117, 192
Decimal	15103424
CIE Lab	64.44, 52.83, -19.37
CIE LCh	64, 56.269, 339.867
Yxy	33.3513, 0.3577, 0.2459
Android (android.graphics.Color)	4293293504 (0xFFE675C0)
YUV	159.3370, 16.1029, 61.9715
Hunter-Lab	57.7506, 48.8712, -14.7572

Details

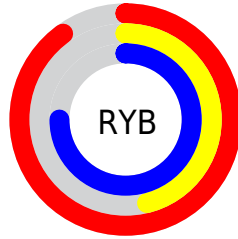
The RYB color **230, 117, 192** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **117, 202, 230**, and the grayscale version is **159, 159, 159**.

A 20% lighter version of the original color is **255, 172, 249**, and **172, 63, 138** is the 20% darker color. If you saturate the color by 10%, you get **230, 94, 184**, and if you desaturate by 10%, it is **230, 140, 200**.

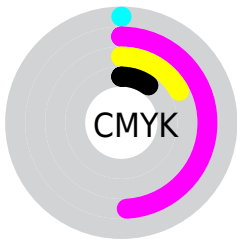
Distribution



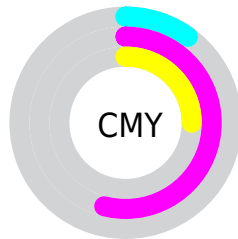
- Red (90%)
- Green (46%)
- Blue (75%)



- Red (90%)
- Yellow (46%)
- Blue (75%)



- Cyan (0%)
- Magenta (49%)
- Yellow (17%)
- Black (10%)



- Cyan (10%)
- Magenta (54%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the RYB color 230, 117, 192 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, 117, 192 by changing the saturation by 10% instead.

 230, 117, 192


255, 255, 255

 255, 172, 249

 255, 201, 255

 255, 229, 255

 230, 117, 192

 201, 90, 165

 172, 63, 138

 144, 34, 113

 116, 0, 88

 89, 0, 65

 63, 0, 42

 38, 0, 21

 0, 0, 0

 230, 117, 192

 230, 117, 192

230, 94, 184

230, 140, 200

230, 71, 177

230, 163, 207

230, 48, 169

230, 186, 215

230, 25, 161

230, 209, 223

230, 2, 153

230, 231, 232

230, 0, 153

230, 249, 255

230, 245, 255

230, 243, 255

230, 243, 255

Harmonies

Analogous

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



181, 136, 234



230, 117, 192



249, 111, 142

Triad

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



230, 117, 192



59, 168, 49



0, 98, 219

Complementary

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



230, 117, 192



117, 202, 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, 93, 181



230, 117, 192



75, 171, 132

Square

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



230, 117, 192



189, 211, 59



0, 107, 179



0, 102, 250

Rectangle

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



230, 117, 192



246, 117, 109



0, 107, 179



0, 96, 205

Sweetspot

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



230, 117, 192



255, 217, 242



155, 117, 230



128, 105, 120



0, 0, 0



128, 128, 128

Same Dimension

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



230, 117, 192



255, 105, 204



230, 117, 136



115, 103, 111



179, 0, 118



51, 0, 34

Inverse Universe

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



230, 117, 192



255, 105, 204



117, 179, 230



115, 103, 111



179, 0, 118



51, 0, 34

Previews

White Background



This preview shows how the RYB color 230, 117, 192 looks on a white background.

Color Contrast Check

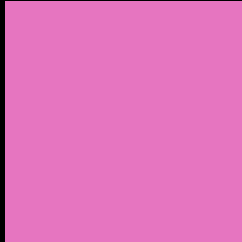
Large Text (above 18pt) WCAG AA × Fail

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, 117, 192 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 230, 117, 192 Background



This preview shows how black text looks on a background with the RYB color 230, 117, 192.

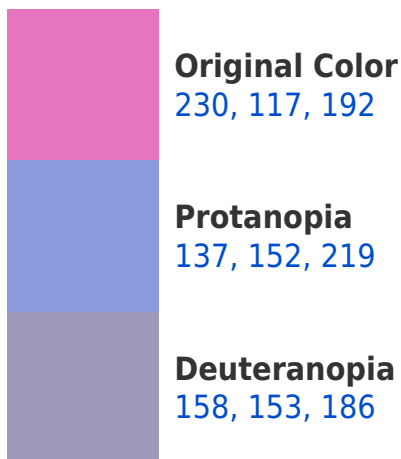


This preview shows how white text looks on a background with the RYB color 230, 117, 192.

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

224, 129, 138

Trichromacy



Original Color

230, 117, 192



Protanomaly

171, 141, 209



Deuteranomaly

184, 140, 188



Tritanomaly

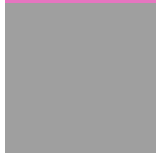
226, 125, 158

Monochromacy



Original Color

230, 117, 192



Achromatopsia

159, 159, 159



Achromatomaly

185, 144, 171

CSS Examples

Text

The CSS property to change the color of the text to RYB 230, 117, 192 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, 117, 192) looks like.

```
.text, #text, p{  
    color:rgb(230, 117, 192)  
}
```

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, 117, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 117, 192) }
```

Border

The CSS property to change the border of an element to RYB 230, 117, 192 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, 117, 192) }
```

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

```
.border{ border-color:rgb(230, 117, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 117, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 117, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 117, 192);  
box-shadow:4px 4px 4px 4px rgb(230, 117,  
192) }
```

Background

The CSS property to change the background color of an element to RYB 230, 117, 192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 117, 192) }
```

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

```
.background{ background-color: rgb(230,  
117, 192) }
```

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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