

Converting Colors

`RYB(245, 100, 172)`

Have a look what the booklet for
RYB(245, 100, 172) contains.

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Color

`RYB(245, 100, 172)`

Conversions

Conversions Part 1

Format	Color
Hex	F564AC
RGB	245, 100, 172
RGB Percent	96%, 39%, 67%
CMY	0.0392, 0.6078, 0.3255
CMYK	0.00, 0.59, 0.30, 0.04
HSL	330°, 88%, 68%
HSV	330°, 59%, 96%
XYZ	49.6598, 31.5054, 42.4935
YIQ	151.5630, 63.3080, 53.1320

Conversions

Conversions Part 2

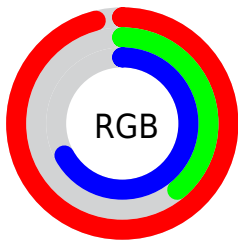
Format	Color
R _Y B	245, 100, 172
Decimal	16082092
CIE Lab	62.93, 62.49, -10.07
CIE LCh	63, 63.291, 350.848
Yxy	31.5054, 0.4016, 0.2548
Android (android.graphics.Color)	4294272172 (0xFFFF564AC)
YUV	151.5630, 10.0754, 81.9442
Hunter-Lab	56.1297, 59.6979, -5.5953

Details

The RYB color **245, 100, 172** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **100, 196, 245**, and the grayscale version is **151, 151, 151**.

A 20% lighter version of the original color is **255, 157, 227**, and **185, 39, 120** is the 20% darker color. If you saturate the color by 10%, you get **245, 76, 160**, and if you desaturate by 10%, it is **245, 125, 184**.

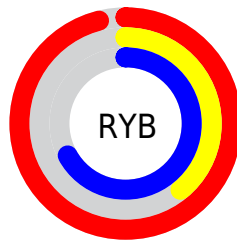
Distribution



Red (96%)

Green (39%)

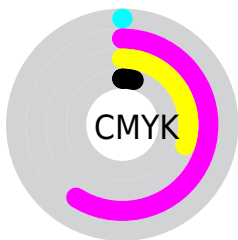
Blue (67%)



Red (96%)

Yellow (39%)

Blue (67%)

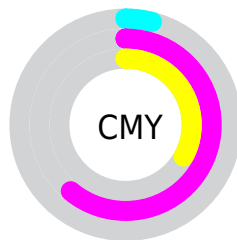


Cyan (0%)

Magenta (59%)

Yellow (30%)

Black (4%)



Cyan (4%)

Magenta (61%)

Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the RYB color 245, 100, 172 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 245, 100, 172 by changing the saturation by 10% instead.

 245, 100, 172

 245, 100, 172

255, 255, 255

 215, 71, 145

 255, 157, 227

 185, 39, 120

 255, 185, 255


 156, 0, 95

 255, 215, 255

 127, 0, 71

 255, 244, 255


 98, 0, 49

 71, 0, 28

 44, 0, 1

 0, 0, 0

 245, 100, 172

 245, 100, 172

■ 245, 76, 160

■ 245, 125, 184

■ 245, 51, 147

■ 245, 149, 197

■ 245, 26, 135

■ 245, 174, 209

■ 245, 2, 123

■ 245, 198, 221

■ 245, 0, 122

■ 245, 223, 234

■ 245, 246, 247

■ 245, 250, 255

Harmonies

Analogous

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



203, 120, 224



245, 100, 172



253, 101, 116

Triad

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



245, 100, 172



33, 161, 51



0, 101, 239

Complementary

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



245, 100, 172



100, 196, 245

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, 92, 191



245, 100, 172



71, 166, 172

Square

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



245, 100, 172



104, 195, 28



0, 102, 178



0, 100, 255

Rectangle

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



245, 100, 172



243, 121, 81



0, 102, 178



0, 99, 225

Sweetspot

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



245, 100, 172



255, 209, 232



173, 100, 245



128, 99, 113



0, 0, 0



128, 128, 128

Same Dimension

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



245, 100, 172



255, 74, 164



245, 100, 100



122, 110, 116



186, 0, 92



59, 0, 29

Inverse Universe

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



245, 100, 172



255, 74, 164



100, 173, 245



122, 110, 116



186, 0, 92



59, 0, 29

Previews

White Background



This preview shows how the RYB color 245, 100, 172 looks on a white background.

Color Contrast Check

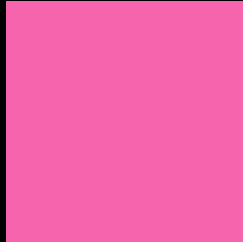
Large Text (above 18pt) WCAG AA × Fail

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 245, 100, 172 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](#).

R Y B 245, 100, 172 Background



This preview shows how black text looks on a background with the R Y B color 245, 100, 172.

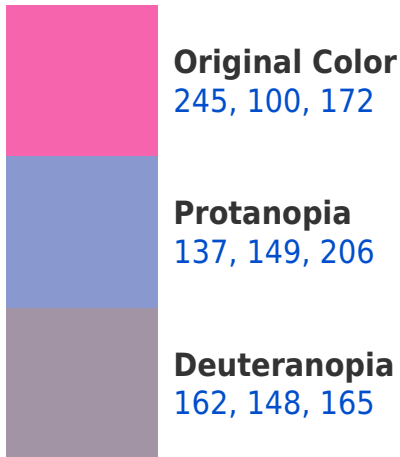


This preview shows how white text looks on a background with the R Y B color 245, 100, 172.

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
241, 112, 119

Trichromacy



Original Color

245, 100, 172



Protanomaly

176, 132, 194



Deuteranomaly

192, 131, 168



Tritanomaly

242, 108, 138

Monochromacy



Original Color

245, 100, 172



Achromatopsia

152, 152, 152



Achromatomaly

186, 133, 159

CSS Examples

Text

The CSS property to change the color of the text to RYB 245, 100, 172 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(245, 100, 172) looks like.

```
.text, #text, p{  
    color:rgb(245, 100, 172)  
}
```

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(245, 100, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 100, 172) }
```

Border

The CSS property to change the border of an element to RYB 245, 100, 172 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(245, 100, 172) }
```

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

```
.border{ border-color:rgb(245, 100, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 100, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 100, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 100, 172);  
box-shadow:4px 4px 4px 4px rgb(245, 100,  
172) }
```

Background

The CSS property to change the background color of an element to RYB 245, 100, 172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 100, 172) }
```

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

```
.background{ background-color: rgb(245,  
100, 172) }
```

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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