

Converting Colors

`RYB(245, 49, 130)`

Have a look what the booklet for
RYB(245, 49, 130) contains.

RYB(245, 49, 130)	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

`RYB(245, 49, 130)`

Conversions

Conversions Part 1

Format	Color
Hex	F53182
RGB	245, 49, 130
RGB Percent	96%, 19%, 51%
CMY	0.0392, 0.8078, 0.4902
CMYK	0.00, 0.80, 0.47, 0.04
HSL	335°, 91%, 58%
HSV	335°, 80%, 96%
XYZ	42.7838, 23.2208, 23.3462
YIQ	116.8380, 90.8150, 66.7430

Conversions

Conversions Part 2

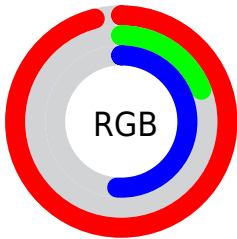
Format	Color
R_{YB}	245, 49, 130
Decimal	16068994
CIE _{Lab}	55.30, 75.87, 3.22
CIE _{LCh}	55, 75.937, 2.433
Yxy	23.2208, 0.4788, 0.2599
Android (android.graphics.Color)	4294259074 (0xFF53182)
YUV	116.8380, 6.4889, 112.3981
Hunter-Lab	48.1880, 74.1525, 5.0066

Details

The RYB color **245, 49, 130** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **49, 173, 245**, and the grayscale version is **117, 117, 117**.

A 20% lighter version of the original color is **255, 116, 183**, and **182, 0, 81** is the 20% darker color. If you saturate the color by 10%, you get **245, 24, 116**, and if you desaturate by 10%, it is **245, 74, 144**.

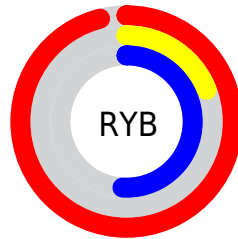
Distribution



Red (96%)

Green (19%)

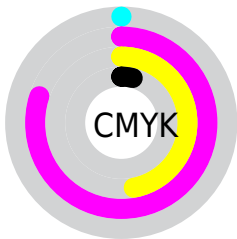
Blue (51%)



Red (96%)

Yellow (19%)

Blue (51%)

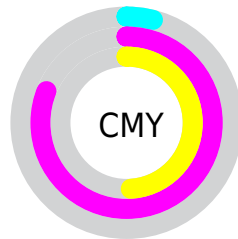


Cyan (0%)

Magenta (80%)

Yellow (47%)

Black (4%)



Cyan (4%)

Magenta (81%)

Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the RYB color 245, 49, 130 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, 49, 130 by changing the saturation by 10% instead.

 245, 49, 130

 245, 49, 130

255, 255, 255

 214, 0, 105

 255, 116, 183

 182, 0, 81


 255, 146, 210

 152, 0, 58

 255, 175, 238

 121, 0, 37

 255, 205, 255

 91, 0, 16

 255, 236, 255

 62, 0, 3


 25, 0, 1

 0, 0, 0


 245, 49, 130

 245, 49, 130

 245, 24, 116


 245, 74, 144

 245, 0, 101

 245, 98, 159

 245, 123, 173

 245, 147, 188

 245, 171, 202

 245, 196, 216

 245, 221, 231

 245, 245, 245

 245, 250, 255

Harmonies

Analogous

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



214, 75, 195



245, 49, 130



240, 70, 66

Triad

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



245, 49, 130



0, 148, 61



0, 96, 250

Complementary

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



245, 49, 130



49, 173, 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, 90, 202



245, 49, 130



0, 110, 157

Square

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



245, 49, 130



27, 155, 0



0, 87, 161



0, 90, 255

Rectangle

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



245, 49, 130



220, 137, 20



0, 87, 161



0, 94, 237

Sweetspot

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



245, 49, 130



255, 194, 219



163, 49, 245



128, 91, 106



0, 0, 0



128, 128, 128

Same Dimension

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



245, 49, 130



255, 10, 111



245, 66, 49



122, 110, 115



186, 0, 77



59, 0, 24

Inverse Universe

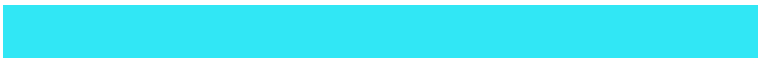
The Inverse Universe completely reimagines the original color for something new.



245, 49, 130



255, 10, 111



49, 143, 245



122, 110, 115



186, 0, 77



59, 0, 24

Previews

White Background



This preview shows how the RYB color 245, 49, 130 looks on a white background.

Color Contrast Check

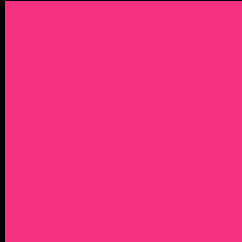
Large Text (above 18pt) WCAG AA ✓ Pass

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 245, 49, 130 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 245, 49, 130 Background



This preview shows how black text looks on a background with the RYB color 245, 49, 130.

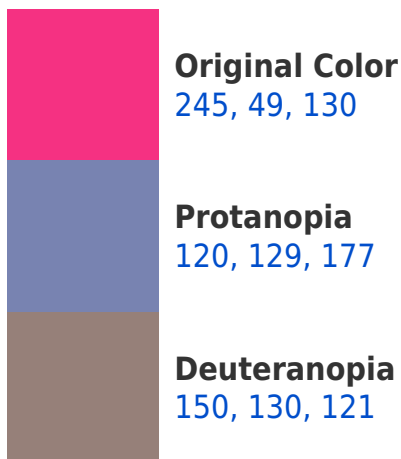


This preview shows how white text looks on a background with the RYB color 245, 49, 130.

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
242, 67, 69

Trichromacy



Original Color

245, 49, 130



Protanomaly

165, 101, 160



Deuteranomaly

185, 99, 124



Tritanomaly

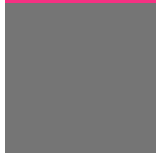
243, 60, 91

Monochromacy



Original Color

245, 49, 130



Achromatopsia

117, 117, 117



Achromatomaly

164, 92, 122

CSS Examples

Text

The CSS property to change the color of the text to RYB 245, 49, 130 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, 49, 130)` looks like.

```
.text, #text, p{  
    color:rgb(245, 49, 130)  
}
```

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, 49, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 49, 130) }
```

Border

The CSS property to change the border of an element to RYB 245, 49, 130 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, 49, 130) }
```

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

```
.border{ border-color:rgb(245, 49, 130) }
```

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

Here you see how a box with a 4 pixel rgb(245, 49, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 49, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 49, 130);  
box-shadow:4px 4px 4px 4px rgb(245, 49,  
130) }
```

Background

The CSS property to change the background color of an element to RGB 245, 49, 130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 49, 130) }
```

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

```
.background{ background-color: rgb(245, 49,  
130) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor