

Converting Colors

`RYB(245, 84, 161)`

Have a look what the booklet for RYB(245, 84, 161) contains.

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Color

R_YB(245, 84, 161)

Conversions

Conversions Part 1

Format	Color
Hex	F554A1
RGB	245, 84, 161
RGB Percent	96%, 33%, 63%
CMY	0.0392, 0.6706, 0.3686
CMYK	0.00, 0.66, 0.34, 0.04
HSL	331°, 89%, 65%
HSV	331°, 66%, 96%
XYZ	47.2595, 28.3263, 36.6949
YIQ	140.9170, 71.2390, 58.0790

Conversions

Conversions Part 2

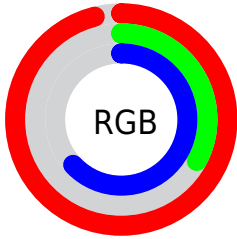
Format	Color
R_{YB}	245, 84, 161
Decimal	16077985
CIE Lab	60.18, 67.74, -7.83
CIE LCh	60, 68.193, 353.405
Yxy	28.3263, 0.4209, 0.2523
Android (android.graphics.Color)	4294268065 (0xFFFF554A1)
YUV	140.9170, 9.9009, 91.2808
Hunter-Lab	53.2225, 65.3618, -3.6225

Details

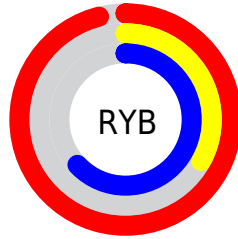
The RYB color **245, 84, 161** is a light color, and the websafe version is hex **FF3399**. The color can be described as light muted rose. A complement of this color would be **84, 190, 245**, and the grayscale version is **141, 141, 141**.

A 20% lighter version of the original color is **255, 142, 216**, and **184, 1, 110** is the 20% darker color. If you saturate the color by 10%, you get **245, 60, 148**, and if you desaturate by 10%, it is **245, 109, 174**.

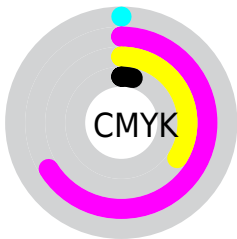
Distribution



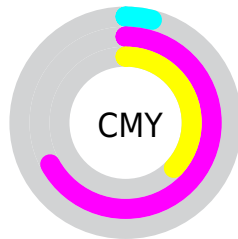
- Red (96%)
- Green (33%)
- Blue (63%)



- Red (96%)
- Yellow (33%)
- Blue (63%)



- Cyan (0%)
- Magenta (66%)
- Yellow (34%)
- Black (4%)




- Cyan (4%)
- Magenta (67%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the RYB color 245, 84, 161 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, 84, 161 by changing the saturation by 10% instead.

 245, 84, 161

 245, 84, 161

255, 255, 255

 214, 52, 135

 255, 142, 216

 184, 1, 110

 255, 171, 244

 155, 0, 85

 255, 201, 255

 125, 0, 62

 255, 230, 255

 96, 0, 40

 70, 0, 20

 39, 0, 1

 0, 0, 0

 245, 84, 161

 245, 84, 161

■ 245, 60, 148

■ 245, 109, 174

■ 245, 35, 135

■ 245, 133, 187

■ 245, 11, 123

■ 245, 158, 199

■ 245, 0, 117

■ 245, 182, 212

■ 245, 207, 225

■ 245, 231, 238

■ 245, 252, 255

■ 245, 250, 255

Harmonies

Analogous

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



204, 107, 218



245, 84, 161



250, 88, 101

Triad

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



245, 84, 161



2, 156, 30



0, 99, 241

Complementary

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



245, 84, 161



84, 190, 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, 91, 191



245, 84, 161



37, 142, 167

Square

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



245, 84, 161



63, 185, 0



0, 98, 172



0, 97, 255

Rectangle

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



245, 84, 161



238, 116, 64



0, 98, 172



0, 97, 227

Sweetspot

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



245, 84, 161



255, 204, 228



167, 84, 245



128, 97, 112



0, 0, 0



128, 128, 128

Same Dimension

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



245, 84, 161



255, 54, 150



245, 87, 84



122, 110, 116



186, 0, 89



59, 0, 28

Inverse Universe

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



245, 84, 161



255, 54, 150



84, 164, 245



122, 110, 116



186, 0, 89



59, 0, 28

Previews

White Background



This preview shows how the RYB color 245, 84, 161 looks on a white background.

Color Contrast Check

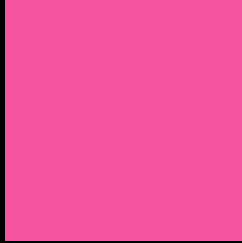
Large Text (above 18pt) WCAG AA ✓ Pass

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, 84, 161 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, 84, 161 Background



This preview shows how black text looks on a background with the RYB color 245, 84, 161.

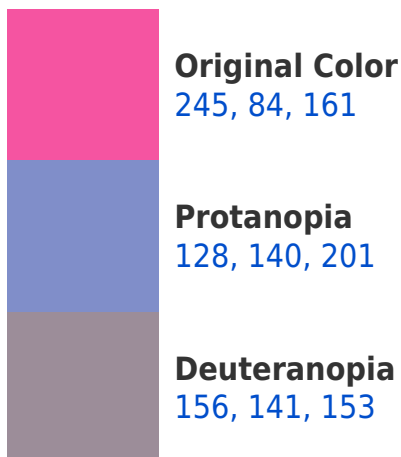


This preview shows how white text looks on a background with the RYB color 245, 84, 161.

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, 98, 104

Trichromacy



Original Color

245, 84, 161



Protanomaly

171, 122, 186



Deuteranomaly

188, 120, 156



Tritanomaly

242, 93, 125

Monochromacy



Original Color

245, 84, 161



Achromatopsia

141, 141, 141



Achromatomaly

179, 120, 148

CSS Examples

Text

The CSS property to change the color of the text to RYB 245, 84, 161 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, 84, 161) looks like.

```
.text, #text, p{  
    color:rgb(245, 84, 161)  
}
```

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, 84, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 84, 161) }
```

Border

The CSS property to change the border of an element to RYB 245, 84, 161 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, 84, 161) }
```

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

```
.border{ border-color:rgb(245, 84, 161) }
```

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

Here you see how a box with a 4 pixel rgb(245, 84, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 84, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 84, 161);  
box-shadow:4px 4px 4px 4px rgb(245, 84,  
161) }
```

Background

The CSS property to change the background color of an element to RYB 245, 84, 161 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 84, 161) }
```

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

```
.background{ background-color: rgb(245, 84,  
161) }
```

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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