

Converting Colors

`RYB(234, 67, 234)`

Have a look what the booklet for
RYB(234, 67, 234) contains.

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Color

`RYB(234, 67, 234)`

Conversions

Conversions Part 1

Format	Color
Hex	EA43EA
RGB	234, 67, 234
RGB Percent	92%, 26%, 92%
CMY	0.0824, 0.7373, 0.0824
CMYK	0.00, 0.71, 0.00, 0.08
HSL	300°, 80%, 59%
HSV	300°, 71%, 92%
XYZ	50.7901, 27.4472, 80.4628
YIQ	135.9710, 45.9250, 87.3410

Conversions

Conversions Part 2

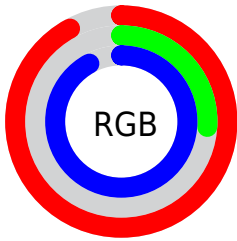
Format	Color
R_{YB}	234, 67, 234
Decimal	15352810
CIE _{Lab}	59.39, 80.80, -50.84
CIE _{LCh}	59, 95.467, 327.821
Yxy	27.4472, 0.3200, 0.1730
Android (android.graphics.Color)	4293542890 (0xFFEA43EA)
YUV	135.9710, 48.3283, 85.9714
Hunter-Lab	52.3901, 81.3659, -54.3868

Details

The RYB color **234, 67, 234** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **67, 234, 234**, and the grayscale version is **135, 135, 135**.

A 20% lighter version of the original color is **255, 130, 255**, and **174, 0, 177** is the 20% darker color. If you saturate the color by 10%, you get **234, 44, 234**, and if you desaturate by 10%, it is **234, 90, 234**.

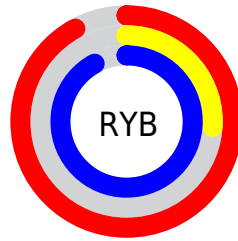
Distribution



Red (92%)

Green (26%)

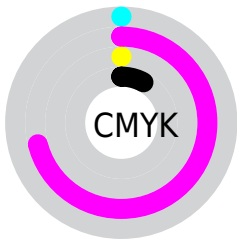
Blue (92%)



Red (92%)

Yellow (26%)

Blue (92%)

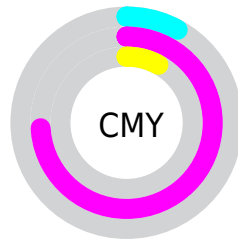


Cyan (0%)

Magenta (71%)

Yellow (0%)

Black (8%)



Cyan (8%)

Magenta (74%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the RYB color 234, 67, 234 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 234, 67, 234 by changing the saturation by 10% instead.



234, 67, 234



234, 67, 234

255, 255, 255



204, 24, 205



255, 130, 255



174, 0, 177



255, 159, 255



145, 0, 150



255, 189, 255



116, 0, 124



255, 219, 255



87, 0, 98



255, 249, 255



61, 0, 74



30, 0, 50



0, 1, 28




0, 0, 0


 234, 67, 234

 234, 67, 234

 234, 44, 234

 234, 90, 234

 234, 20, 234

 234, 114, 234

 234, 0, 234

 234, 137, 234

 234, 161, 234

 234, 184, 234

 234, 207, 234

 234, 231, 234

 234, 254, 254

 234, 255, 255

Harmonies

Analogous

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



109, 122, 255



234, 67, 234



255, 0, 153

Triad

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



234, 67, 234



53, 179, 0



0, 98, 220

Complementary

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



234, 67, 234



67, 234, 234

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, 101, 177



234, 67, 234



0, 160, 65

Square

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



234, 67, 234



241, 168, 0



0, 140, 172



0, 103, 255

Rectangle

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



234, 67, 234



255, 0, 98



0, 140, 172



0, 92, 192

Sweetspot

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



234, 67, 234



255, 201, 255



67, 67, 234



128, 96, 128



0, 0, 0



128, 128, 128

Same Dimension

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



234, 67, 234



255, 36, 255



234, 67, 151



117, 106, 117



181, 0, 181



54, 0, 54

Inverse Universe

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



234, 67, 234



255, 36, 255



67, 178, 234



117, 106, 117



181, 0, 181



54, 0, 54

Previews

White Background



This preview shows how the RYB color 234, 67, 234 looks on a white background.

Color Contrast Check

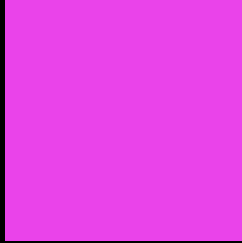
Large Text (above 18pt) WCAG AA ✓ Pass

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 234, 67, 234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

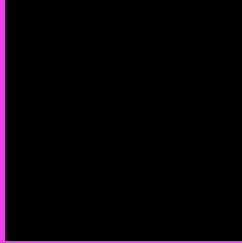
Any Text WCAG AA ✓ Pass

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](#).

R_{YB} 234, 67, 234 Background



This preview shows how black text looks on a background with the R_{YB} color 234, 67, 234.

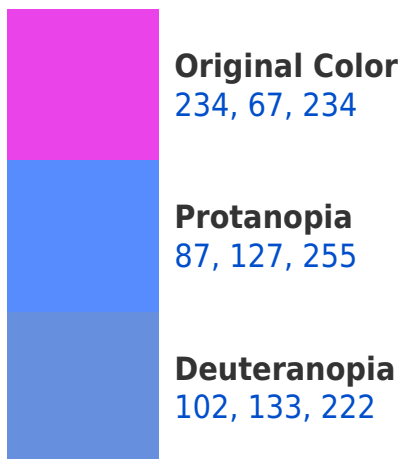



This preview shows how white text looks on a background with the R_{YB} color 234, 67, 234.

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
221, 108, 115

Trichromacy



Original Color

234, 67, 234



Protanomaly

140, 113, 247



Deuteranomaly

150, 115, 226



Tritanomaly

226, 93, 158

Monochromacy



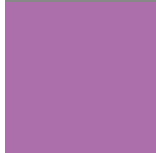
Original Color

234, 67, 234



Achromatopsia

136, 136, 136



Achromatomaly

172, 111, 172

CSS Examples

Text

The CSS property to change the color of the text to RYB 234, 67, 234 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(234, 67, 234) looks like.

```
.text, #text, p{  
  color:rgb(234, 67, 234)  
}
```

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(234, 67, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 67, 234) }
```

Border

The CSS property to change the border of an element to RYB 234, 67, 234 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(234, 67, 234) }
```

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

```
.border{ border-color:rgb(234, 67, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 67, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 67, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 67, 234);  
box-shadow:4px 4px 4px 4px rgb(234, 67,  
234) }
```

Background

The CSS property to change the background color of an element to RYB 234, 67, 234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 67, 234) }
```

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

```
.background{ background-color: rgb(234, 67,  
234) }
```

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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