

Converting Colors

`RYB(255, 35, 234)`

Have a look what the booklet for
RYB(255, 35, 234) contains.

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Color

R_YB(255, 35, 234)

Conversions

Conversions Part 1

Format	Color
Hex	FF23EA
RGB	255, 35, 234
RGB Percent	100%, 14%, 92%
CMY	0.0000, 0.8627, 0.0824
CMYK	0.00, 0.86, 0.08, 0.00
HSL	306°, 100%, 57%
HSV	306°, 86%, 100%
XYZ	56.6923, 28.4026, 80.3361
YIQ	123.4660, 67.2410, 108.5290

Conversions

Conversions Part 2

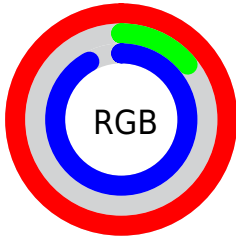
Format	Color
R _Y B	255, 35, 234
Decimal	16720874
CIE _{Lab}	60.25, 92.22, -49.26
CIE _{LCh}	60, 104.550, 331.893
Y _{xy}	28.4026, 0.3427, 0.1717
Android (android.graphics.Color)	4294910954 (0xFFFF23EA)
YUV	123.4660, 54.4933, 115.3553
Hunter-Lab	53.2941, 96.6173, -52.0686

Details

The RYB color **255, 35, 234** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **35, 236, 255**, and the grayscale version is **123, 123, 123**.

A 20% lighter version of the original color is **255, 114, 255**, and **193, 0, 178** is the 20% darker color. If you saturate the color by 10%, you get **255, 9, 232**, and if you desaturate by 10%, it is **255, 60, 236**.

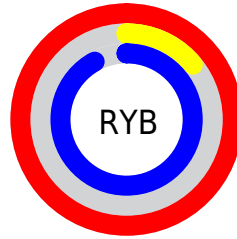
Distribution



Red (100%)

Green (14%)

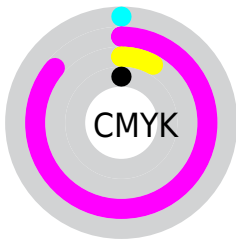
Blue (92%)



Red (100%)

Yellow (14%)

Blue (92%)

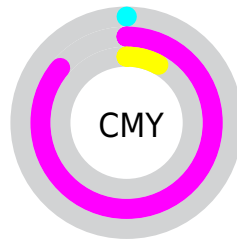


Cyan (0%)

Magenta (86%)

Yellow (8%)

Black (0%)



Cyan (0%)

Magenta (86%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the RYB color 255, 35, 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 255, 35, 234 by changing the saturation by 10% instead.



255, 35, 234



255, 35, 234

255, 255, 255



224, 0, 205



255, 114, 255



193, 0, 178



255, 146, 255



163, 0, 150



255, 177, 255



133, 0, 124



255, 207, 255



104, 0, 98



255, 238, 255



77, 0, 74




46, 0, 50




1, 0, 28




0, 0, 0

 255, 35, 234

 255, 35, 234

 255, 9, 232

 255, 60, 236

 255, 0, 231

 255, 86, 239

 255, 111, 241

 255, 137, 244

 255, 163, 246

 255, 188, 249

 255, 213, 251

 255, 239, 253

255, 255, 255

Harmonies

Analogous

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



133, 117, 255



255, 35, 234



255, 0, 144

Triad

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



255, 35, 234



33, 172, 0



0, 104, 242

Complementary

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



255, 35, 234



35, 236, 255

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, 99, 181



255, 35, 234



0, 166, 96

Square

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



255, 35, 234



242, 179, 0



0, 140, 177



0, 104, 255

Rectangle

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



255, 35, 234



255, 0, 84



0, 140, 177



0, 98, 212

Sweetspot

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



255, 35, 234



255, 189, 249



53, 35, 255



128, 88, 124



0, 0, 0



128, 128, 128

Same Dimension

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



255, 35, 234



255, 0, 231



255, 35, 127



128, 115, 126



191, 0, 173



64, 0, 58

Inverse Universe

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



255, 35, 234



255, 0, 231



35, 174, 255



128, 115, 126



191, 0, 173



64, 0, 58

Previews

White Background



This preview shows how the RYB color 255, 35, 234 looks on a white background.

Color Contrast Check

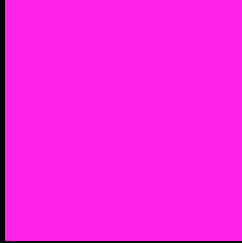
Large Text (above 18pt) WCAG AA ✓ Pass

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 255, 35, 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](#).

RYB 255, 35, 234 Background



This preview shows how black text looks on a background with the RYB color 255, 35, 234.

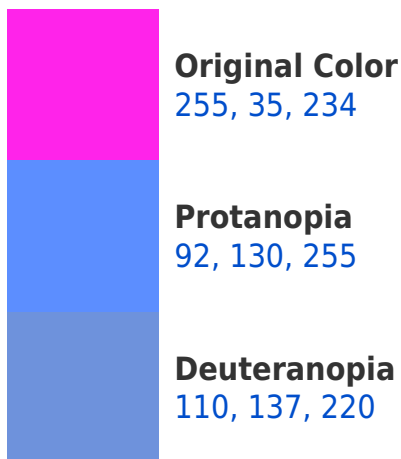


This preview shows how white text looks on a background with the RYB color 255, 35, 234.

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
242, 96, 102

Trichromacy



Original Color

255, 35, 234



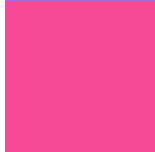
Protanomaly

151, 103, 247



Deuteranomaly

163, 105, 225



Tritanomaly

247, 74, 150

Monochromacy



Original Color

255, 35, 234



Achromatopsia

123, 123, 123



Achromatomaly

171, 91, 163

CSS Examples

Text

The CSS property to change the color of the text to RYB 255, 35, 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(255, 35, 234) looks like.

```
.text, #text, p{  
    color:rgb(255, 35, 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(255, 35, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 35, 234) }
```

Border

The CSS property to change the border of an element to RYB 255, 35, 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(255, 35, 234) }
```

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

```
.border{ border-color:rgb(255, 35, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 35, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 35, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 35, 234);  
box-shadow:4px 4px 4px 4px rgb(255, 35,  
234) }
```

Background

The CSS property to change the background color of an element to RYB 255, 35, 234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 35, 234) }
```

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

```
.background{ background-color: rgb(255, 35,  
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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