

Converting Colors

`RYB(240, 40, 134)`

Have a look what the booklet for
RYB(240, 40, 134) contains.

RYB(240, 40, 134)	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(240, 40, 134)`

Conversions

Conversions Part 1

Format	Color
Hex	F02886
RGB	240, 40, 134
RGB Percent	94%, 16%, 53%
CMY	0.0588, 0.8431, 0.4745
CMYK	0.00, 0.83, 0.44, 0.06
HSL	332°, 87%, 55%
HSV	332°, 83%, 94%
XYZ	40.9970, 21.7641, 24.5944
YIQ	110.5160, 89.0260, 71.6340

Conversions

Conversions Part 2

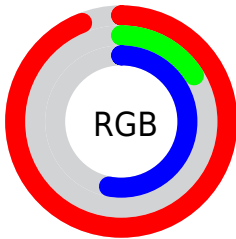
Format	Color
R_{YB}	240, 40, 134
Decimal	15739014
CIE _{Lab}	53.78, 77.02, -1.50
CIE _{LCh}	54, 77.039, 358.885
Yxy	21.7641, 0.4693, 0.2491
Android (android.graphics.Color)	4293929094 (0xFFFF02886)
YUV	110.5160, 11.5776, 113.5575
Hunter-Lab	46.6520, 75.2221, 1.3994

Details

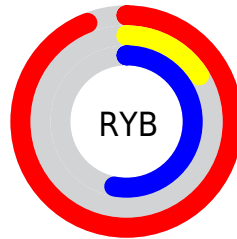
The RYB color **240, 40, 134** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **40, 171, 240**, and the grayscale version is **110, 110, 110**.

A 20% lighter version of the original color is **255, 110, 187**, and **178, 0, 85** is the 20% darker color. If you saturate the color by 10%, you get **240, 16, 121**, and if you desaturate by 10%, it is **240, 64, 147**.

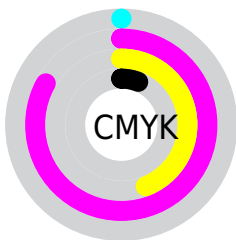
Distribution



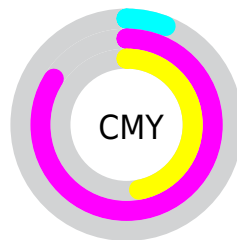
- Red (94%)
- Green (16%)
- Blue (53%)



- Red (94%)
- Yellow (16%)
- Blue (53%)



- Cyan (0%)
- Magenta (83%)
- Yellow (44%)
- Black (6%)



- Cyan (6%)
- Magenta (84%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the RYB color 240, 40, 134 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 240, 40, 134 by changing the saturation by 10% instead.



240, 40, 134



240, 40, 134

255, 255, 255



209, 0, 109



255, 110, 187



178, 0, 85



255, 140, 215



147, 0, 62



255, 170, 243



117, 0, 40



255, 200, 255



87, 0, 20



255, 230, 255



58, 0, 2



17, 0, 0



0, 0, 0



240, 40, 134



240, 40, 134

■ 240, 16, 121

■ 240, 64, 147

■ 240, 0, 113

■ 240, 88, 159

■ 240, 112, 172

■ 240, 136, 185

■ 240, 160, 198

■ 240, 184, 210

■ 240, 208, 223

■ 240, 232, 236

■ 240, 250, 255

Harmonies

Analogous

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



204, 74, 198



240, 40, 134



238, 59, 69

Triad

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



240, 40, 134



0, 143, 51



0, 94, 243

Complementary

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



240, 40, 134



40, 171, 240

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, 86, 191



240, 40, 134



0, 113, 152

Square

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



240, 40, 134



42, 158, 0



0, 88, 157



0, 90, 255

Rectangle

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



240, 40, 134



220, 113, 23



0, 88, 157



0, 92, 228

Sweetspot

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



240, 40, 134



255, 191, 221



143, 40, 240



128, 89, 107



0, 0, 0



128, 128, 128

Same Dimension

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



240, 40, 134



255, 0, 120



240, 43, 40



120, 108, 113



184, 0, 86



56, 0, 26

Inverse Universe

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



240, 40, 134



255, 0, 120



40, 139, 240



120, 108, 113



184, 0, 86



56, 0, 26

Previews

White Background



This preview shows how the RYB color 240, 40, 134 looks on a white background.

Color Contrast Check

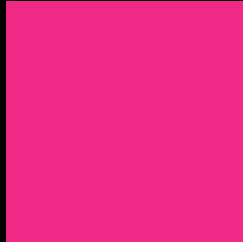
Large Text (above 18pt) WCAG AA ✓ Pass

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 240, 40, 134 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 Y B 240, 40, 134 Background



This preview shows how black text looks on a background with the RYB color 240, 40, 134.

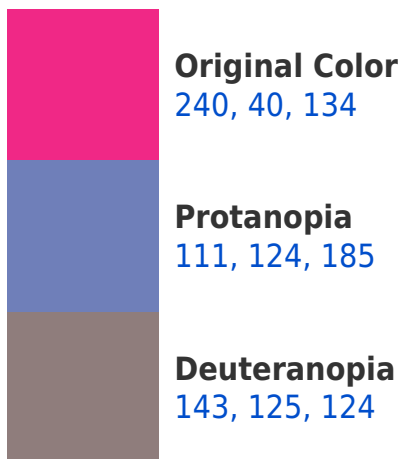


This preview shows how white text looks on a background with the RYB color 240, 40, 134.

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
236, 63, 65

Trichromacy



Original Color

240, 40, 134



Protanomaly

158, 95, 166



Deuteranomaly

178, 94, 128



Tritanomaly

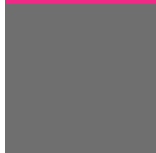
237, 55, 90

Monochromacy



Original Color

240, 40, 134



Achromatopsia

111, 111, 111



Achromatomaly

158, 85, 119

CSS Examples

Text

The CSS property to change the color of the text to RYB 240, 40, 134 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(240, 40, 134) looks like.

```
.text, #text, p{  
    color:rgb(240, 40, 134)  
}
```

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(240, 40, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 40, 134) }
```

Border

The CSS property to change the border of an element to RYB 240, 40, 134 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(240, 40, 134) }
```

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

```
.border{ border-color:rgb(240, 40, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 40, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 40, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 40, 134);  
box-shadow:4px 4px 4px 4px rgb(240, 40,  
134) }
```

Background

The CSS property to change the background color of an element to RGB 240, 40, 134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 40, 134) }
```

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

```
.background{ background-color: rgb(240, 40,  
134) }
```

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