

Converting Colors

`RYB(240, 63, 220)`

Have a look what the booklet for
RYB(240, 63, 220) contains.

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Color

R_YB(240, 63, 220)

Conversions

Conversions Part 1

Format	Color
Hex	F03FDC
RGB	240, 63, 220
RGB Percent	94%, 25%, 86%
CMY	0.0588, 0.7529, 0.1373
CMYK	0.00, 0.74, 0.08, 0.06
HSL	307°, 86%, 59%
HSV	307°, 74%, 94%
XYZ	50.6310, 27.2476, 70.3009
YIQ	133.8210, 55.0950, 86.3510

Conversions

Conversions Part 2

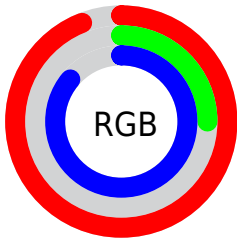
Format	Color
R _Y B	240, 63, 220
Decimal	15744988
CIE Lab	59.20, 81.17, -43.20
CIE LCh	59, 91.949, 331.976
Yxy	27.2476, 0.3417, 0.1839
Android (android.graphics.Color)	4293935068 (0xFFFF03FDC)
YUV	133.8210, 42.4862, 93.1190
Hunter-Lab	52.1992, 81.7885, -43.3112

Details

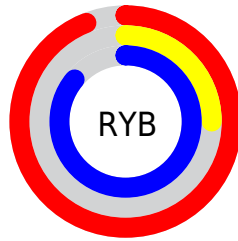
The RYB color **240, 63, 220** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light washed magenta. A complement of this color would be **63, 222, 240**, and the grayscale version is **133, 133, 133**.

A 20% lighter version of the original color is **255, 127, 255**, and **180, 0, 164** is the 20% darker color. If you saturate the color by 10%, you get **240, 39, 217**, and if you desaturate by 10%, it is **240, 87, 223**.

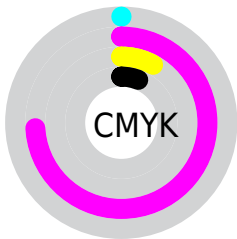
Distribution



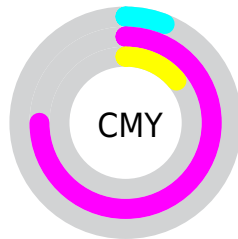
- Red (94%)
- Green (25%)
- Blue (86%)



- Red (94%)
- Yellow (25%)
- Blue (86%)



- Cyan (0%)
- Magenta (74%)
- Yellow (8%)
- Black (6%)




















- Cyan (6%)
- Magenta (75%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the RYB color 240, 63, 220 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, 63, 220 by changing the saturation by 10% instead.


 240, 63, 220	 240, 63, 220
255, 255, 255	 210, 14, 192
 255, 127, 255	 180, 0, 164
 255, 157, 255	 150, 0, 138
 255, 187, 255	 121, 0, 112
 255, 217, 255	 93, 0, 87
 255, 247, 255	 66, 0, 63
	 36, 0, 40
	 0, 1, 17
	 0, 0, 0


 240, 63, 220

 240, 63, 220


 240, 39, 217


 240, 87, 223


 240, 15, 215

 240, 111, 225

 240, 0, 213

 240, 135, 228

 240, 159, 231

 240, 183, 234

 240, 207, 236

 240, 231, 239

 240, 253, 255

 240, 252, 255

Harmonies

Analogous

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



137, 118, 255



240, 63, 220



255, 0, 141

Triad

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



240, 63, 220



32, 168, 0



0, 99, 227

Complementary

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



240, 63, 220



63, 222, 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, 96, 176



240, 63, 220



0, 161, 78

Square

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



240, 63, 220



230, 200, 0



0, 127, 171



0, 102, 255

Rectangle

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



240, 63, 220



255, 26, 88



0, 127, 171



0, 94, 201

Sweetspot

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



240, 63, 220



255, 199, 249



81, 63, 240



128, 94, 124



0, 0, 0



128, 128, 128

Same Dimension

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



240, 63, 220



255, 28, 229



240, 63, 134



120, 108, 118



184, 0, 163



56, 0, 50

Inverse Universe

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



240, 63, 220



255, 28, 229



63, 174, 240



120, 108, 118



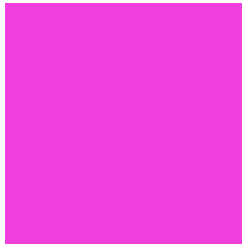
184, 0, 163



56, 0, 50

Previews

White Background



This preview shows how the RYB color 240, 63, 220 looks on a white background.

Color Contrast Check

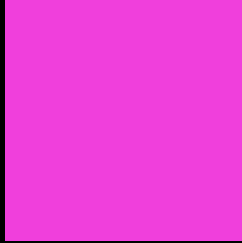
Large Text (above 18pt) WCAG AA ✓ Pass

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, 63, 220 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](#).

RGB 240, 63, 220 Background



This preview shows how black text looks on a background with the RGB color 240, 63, 220.

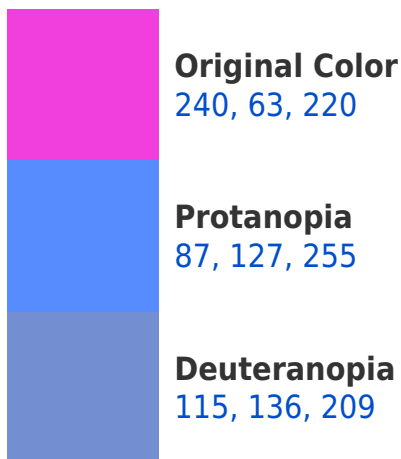


This preview shows how white text looks on a background with the RGB color 240, 63, 220.

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
229, 101, 108

Trichromacy



Original Color

240, 63, 220



Protanomaly

143, 111, 242



Deuteranomaly

160, 113, 213



Tritanomaly

233, 87, 149

Monochromacy



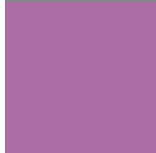
Original Color

240, 63, 220



Achromatopsia

134, 134, 134



Achromatomaly

173, 108, 165

CSS Examples

Text

The CSS property to change the color of the text to RYB 240, 63, 220 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, 63, 220)` looks like.

```
.text, #text, p{  
    color:rgb(240, 63, 220)  
}
```

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, 63, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 63, 220) }
```

Border

The CSS property to change the border of an element to RYB 240, 63, 220 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, 63, 220) }
```

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

```
.border{ border-color:rgb(240, 63, 220) }
```

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

Here you see how a box with a 4 pixel rgb(240, 63, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 63, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 63, 220);  
box-shadow:4px 4px 4px 4px rgb(240, 63,  
220) }
```

Background

The CSS property to change the background color of an element to RGB 240, 63, 220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 63, 220) }
```

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

```
.background{ background-color: rgb(240, 63,  
220) }
```

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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