

Converting Colors

`RYB(240, 0, 209)`

Have a look what the booklet for
RYB(240, 0, 209) contains.

RYB(240, 0, 209)	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

R_YB(240, 0, 209)

Conversions

Conversions Part 1

Format	Color
Hex	F000D1
RGB	240, 0, 209
RGB Percent	94%, 0%, 82%
CMY	0.0588, 1.0000, 0.1804
CMYK	0.00, 1.00, 0.13, 0.06
HSL	308°, 100%, 47%
HSV	308°, 100%, 94%
XYZ	47.4438, 23.1287, 62.2853
YIQ	95.5860, 75.9510, 115.8790

Conversions

Conversions Part 2

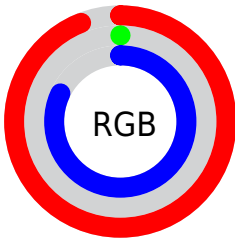
Format	Color
R _{YB}	240, 0, 209
Decimal	15728849
CIE _{Lab}	55.20, 89.71, -43.26
CIE _{LCh}	55, 99.596, 334.257
Y _{xy}	23.1287, 0.3571, 0.1741
Android (android.graphics.Color)	4293918929 (0xFFFF00D1)
YUV	95.5860, 55.9131, 126.6511
Hunter-Lab	48.0923, 91.9314, -43.1230

Details

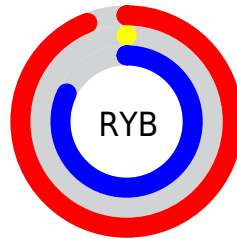
The RYB color **240, 0, 209** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **0, 213, 240**, and the grayscale version is **95, 95, 95**.

A 20% lighter version of the original color is **255, 100, 255**, and **179, 0, 154** is the 20% darker color. If you saturate the color by 10%, you get **240, 0, 209**, and if you desaturate by 10%, it is **240, 24, 212**.

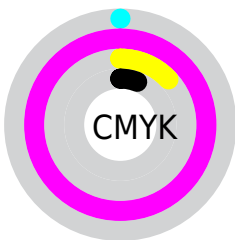
Distribution



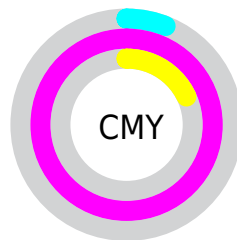
- Red (94%)
- Green (0%)
- Blue (82%)



- Red (94%)
- Yellow (0%)
- Blue (82%)



- Cyan (0%)
- Magenta (100%)
- Yellow (13%)
- Black (6%)




















- Cyan (6%)
- Magenta (100%)
- Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the RYB color 240, 0, 209 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, 0, 209 by changing the saturation by 10% instead.


 240, 0, 209	 240, 0, 209
 255, 255, 255	 209, 0, 181
 255, 100, 255	 179, 0, 154
 255, 132, 255	 149, 0, 127
 255, 163, 255	 119, 0, 102
 255, 194, 255	 90, 0, 77
 255, 225, 255	 62, 0, 54
	 32, 0, 31
	 0, 0, 1
	 0, 0, 0


 240, 0, 209


 240, 24, 212


 240, 48, 215


 240, 72, 218

 240, 96, 221

 240, 120, 225

 240, 144, 228

 240, 168, 231

 240, 192, 234

 240, 216, 237

Harmonies

Analogous

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



134, 101, 255



240, 0, 209



255, 0, 124

Triad

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



240, 0, 209



19, 150, 0



0, 96, 229

Complementary

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



240, 0, 209



0, 213, 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, 89, 166



240, 0, 209



0, 153, 106

Square

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



240, 0, 209



218, 172, 0



0, 125, 162



0, 98, 255

Rectangle

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



240, 0, 209



255, 0, 68



0, 125, 162



0, 91, 202

Sweetspot

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



240, 0, 209



255, 179, 245



28, 0, 240



128, 82, 122



0, 0, 0



128, 128, 128

Same Dimension

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



240, 0, 209



255, 0, 222



240, 0, 92



120, 108, 118



184, 0, 160



56, 0, 49

Inverse Universe

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



240, 0, 209



255, 0, 222



0, 148, 240



120, 108, 118



184, 0, 160



56, 0, 49

Previews

White Background



This preview shows how the RYB color 240, 0, 209 looks on a white background.

Color Contrast Check

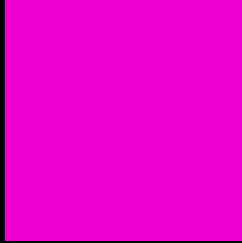
Large Text (above 18pt) WCAG AA ✓ Pass

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, 0, 209 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 240, 0, 209 Background



This preview shows how black text looks on a background with the RYB color 240, 0, 209.



This preview shows how white text looks on a background with the RYB color 240, 0, 209.

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



Original Color
240, 0, 209

Protanopia
61, 112, 255

Deuteranopia
107, 127, 196



Tritanopia
229, 82, 87

Trichromacy



Original Color

240, 0, 209



Protanomaly

126, 83, 238



Deuteranomaly

155, 85, 201



Tritanomaly

233, 52, 131

Monochromacy



Original Color

240, 0, 209



Achromatopsia

96, 96, 96



Achromatomaly

148, 61, 137

CSS Examples

Text

The CSS property to change the color of the text to RYB 240, 0, 209 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, 0, 209)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 209)  
}
```

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, 0, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 209) }
```

Border

The CSS property to change the border of an element to RYB 240, 0, 209 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, 0, 209) }
```

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

```
.border{ border-color:rgb(240, 0, 209) }
```

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

Here you see how a box with a 4 pixel rgb(240, 0, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 209);  
box-shadow:4px 4px 4px 4px rgb(240, 0,  
209) }
```

Background

The CSS property to change the background color of an element to RGB 240, 0, 209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 0, 209) }
```

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

```
.background{ background-color: rgb(240, 0,  
209) }
```

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