

Converting Colors

`RYB(224, 0, 243)`

Have a look what the booklet for
RYB(224, 0, 243) contains.

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Color

RYB(224, 0, 243)

Conversions

Conversions Part 1

Format	Color
Hex	E000F3
RGB	224, 0, 243
RGB Percent	88%, 0%, 95%
CMY	0.1216, 1.0000, 0.0471
CMYK	0.08, 1.00, 0.00, 0.05
HSL	295°, 100%, 48%
HSV	295°, 100%, 95%
XYZ	46.9181, 22.3184, 86.6290
YIQ	94.6780, 55.5010, 123.0610

Conversions

Conversions Part 2

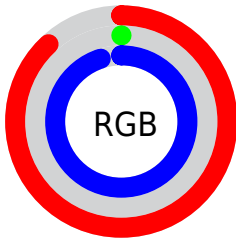
Format	Color
R_{YB}	224, 0, 243
Decimal	14680307
CIE _{Lab}	54.36, 91.87, -64.01
CIE _{LCh}	54, 111.968, 325.134
Yxy	22.3184, 0.3010, 0.1432
Android (android.graphics.Color)	4292870387 (0xFFE000F3)
YUV	94.6780, 73.1227, 113.4154
Hunter-Lab	47.2423, 94.6011, -75.6515

Details

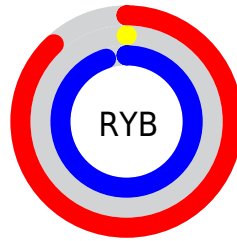
The RYB color **224, 0, 243** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **0, 243, 224**, and the grayscale version is **94, 94, 94**.

A 20% lighter version of the original color is **255, 99, 255**, and **163, 0, 186** is the 20% darker color. If you saturate the color by 10%, you get **224, 0, 243**, and if you desaturate by 10%, it is **226, 24, 243**.

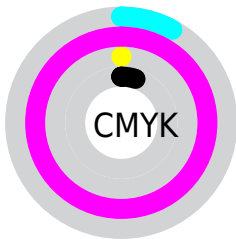
Distribution



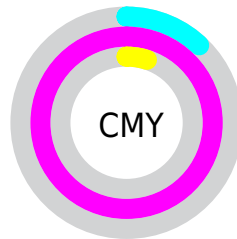
- Red (88%)
- Green (0%)
- Blue (95%)



- Red (88%)
- Yellow (0%)
- Blue (95%)



- Cyan (8%)
- Magenta (100%)
- Yellow (0%)
- Black (5%)



- Cyan (12%)
- Magenta (100%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the RYB color 224, 0, 243 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 224, 0, 243 by changing the saturation by 10% instead.



224, 0, 243



224, 0, 243

255, 255, 255



193, 0, 214



255, 99, 255



163, 0, 186



255, 131, 255



133, 0, 158



255, 162, 255



104, 0, 131



255, 193, 255



74, 0, 105



255, 223, 255



44, 0, 80

255, 254, 255



3, 0, 56



0, 2, 33



0, 0, 6

■ 224, 0, 243

■ 226, 24, 243

■ 228, 49, 243

■ 230, 73, 243

■ 232, 97, 243

■ 234, 121, 243

■ 235, 146, 243

■ 237, 170, 243

■ 239, 194, 243

■ 241, 219, 243

Harmonies

Analogous

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



0, 78, 255



224, 0, 243



255, 0, 150

Triad

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



224, 0, 243



70, 172, 0



0, 93, 211

Complementary

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



224, 0, 243



0, 243, 224

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, 165



224, 0, 243



0, 148, 74

Square

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



224, 0, 243



241, 89, 0



0, 160, 160



0, 100, 255

Rectangle

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



224, 0, 243



255, 0, 87



0, 160, 160



0, 86, 179

Sweetspot

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



224, 0, 243



249, 179, 255



0, 18, 243



124, 82, 128



0, 0, 0



128, 128, 128

Same Dimension

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



224, 0, 243



235, 0, 255



243, 0, 142



121, 110, 122



172, 0, 186



54, 0, 59

Inverse Universe

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



243, 0, 19



255, 0, 20



0, 172, 243



122, 110, 111



186, 0, 15



59, 0, 5

Previews

White Background



This preview shows how the RYB color 224, 0, 243 looks on a white background.

Color Contrast Check

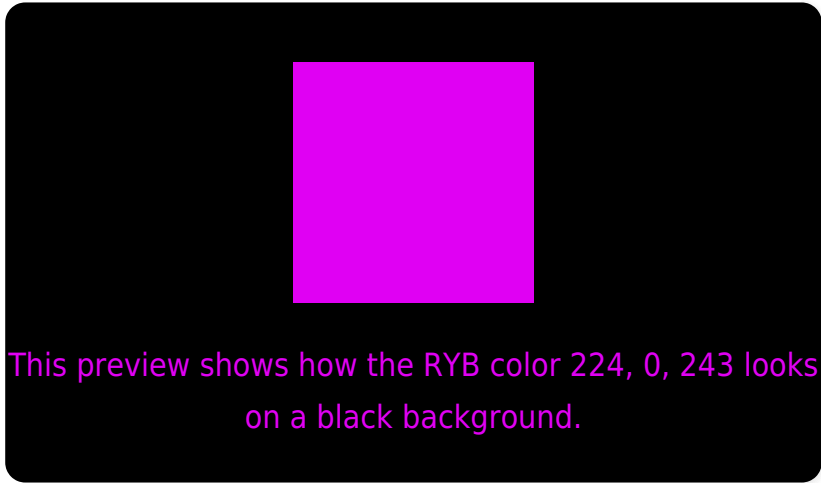
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

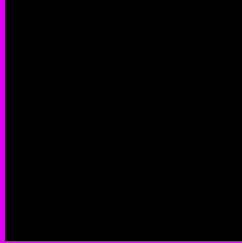
Any Text WCAG AA ✓ Pass

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 224, 0, 243 Background



This preview shows how black text looks on a background with the R Y B color 224, 0, 243.

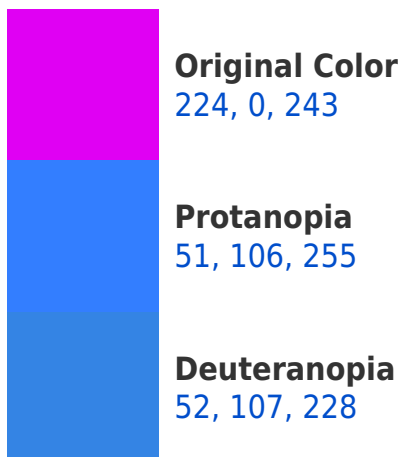


This preview shows how white text looks on a background with the R Y B color 224, 0, 243.

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
207, 95, 102

Trichromacy



Original Color

224, 0, 243



Protanomaly

114, 81, 251



Deuteranomaly

115, 85, 233



Tritanomaly

213, 60, 153

Monochromacy



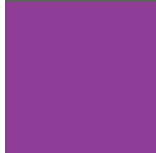
Original Color

224, 0, 243



Achromatopsia

95, 95, 95



Achromatomaly

142, 60, 149

CSS Examples

Text

The CSS property to change the color of the text to RYB 224, 0, 243 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(224, 0, 243)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 243)  
}
```

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(224, 0, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 243) }
```

Border

The CSS property to change the border of an element to RYB 224, 0, 243 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(224, 0, 243) }
```

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

```
.border{ border-color:rgb(224, 0, 243) }
```

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

Here you see how a box with a 4 pixel rgb(224, 0, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 243);  
box-shadow:4px 4px 4px 4px rgb(224, 0,  
243) }
```

Background

The CSS property to change the background color of an element to RGB 224, 0, 243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 0, 243) }
```

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

```
.background{ background-color: rgb(224, 0,  
243) }
```

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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