

Converting Colors

`RYB(221, 0, 240)`

Have a look what the booklet for
RYB(221, 0, 240) contains.

RYB(221, 0, 240)	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(221, 0, 240)`

Conversions

Conversions Part 1

Format	Color
Hex	DD00F0
RGB	221, 0, 240
RGB Percent	87%, 0%, 94%
CMY	0.1333, 1.0000, 0.0588
CMYK	0.08, 1.00, 0.00, 0.06
HSL	295°, 100%, 47%
HSV	295°, 100%, 94%
XYZ	45.5470, 21.6634, 84.2189
YIQ	93.4390, 54.6760, 121.4920

Conversions

Conversions Part 2

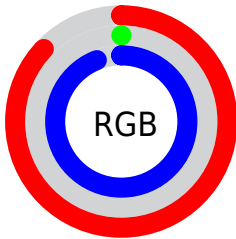
Format	Color
R_{YB}	221, 0, 240
Decimal	14483696
CIE _{Lab}	53.67, 90.98, -63.47
CIE _{LCh}	54, 110.930, 325.098
Yxy	21.6634, 0.3008, 0.1431
Android (android.graphics.Color)	4292673776 (0xFFDD00F0)
YUV	93.4390, 72.2546, 111.8710
Hunter-Lab	46.5440, 93.2244, -74.7014

Details

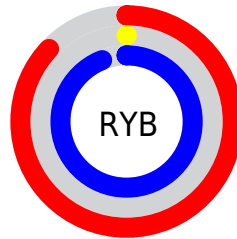
The RYB color **221, 0, 240** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **0, 240, 221**, and the grayscale version is **93, 93, 93**.

A 20% lighter version of the original color is **255, 98, 255**, and **160, 0, 183** is the 20% darker color. If you saturate the color by 10%, you get **221, 0, 240**, and if you desaturate by 10%, it is **223, 24, 240**.

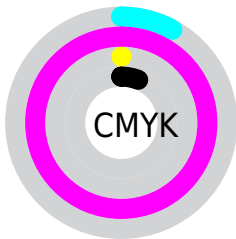
Distribution



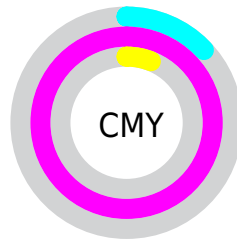
- Red (87%)
- Green (0%)
- Blue (94%)



- Red (87%)
- Yellow (0%)
- Blue (94%)



- Cyan (8%)
- Magenta (100%)
- Yellow (0%)
- Black (6%)






















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


Brightness & Saturation Gradients

These gradients show how the RYB color 221, 0, 240 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 221, 0, 240 by changing the saturation by 10% instead.

 221, 0, 240	 221, 0, 240
 255, 255, 255	 191, 0, 211
 255, 98, 255	 160, 0, 183
 255, 130, 255	 131, 0, 155
 255, 161, 255	 101, 0, 128
 255, 192, 255	 72, 0, 103
 255, 222, 255	 41, 0, 77
 255, 253, 255	 0, 0, 53
	 0, 2, 31
	 0, 0, 2


 221, 0, 240


 223, 24, 240


 225, 48, 240


 227, 72, 240

 229, 96, 240

 230, 120, 240

 232, 144, 240

 234, 168, 240

 236, 192, 240

 238, 216, 240

Harmonies

Analogous

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



0, 77, 255



221, 0, 240



255, 0, 148

Triad

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



221, 0, 240



71, 170, 0



0, 92, 208

Complementary

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



221, 0, 240



0, 240, 221

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, 97, 162



221, 0, 240



0, 146, 73

Square

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



221, 0, 240



238, 88, 0



0, 158, 158



0, 99, 255

Rectangle

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



221, 0, 240



255, 0, 86



0, 158, 158



0, 85, 176

Sweetspot

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



221, 0, 240



249, 179, 255



0, 18, 240



124, 82, 128



0, 0, 0



128, 128, 128

Same Dimension

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



221, 0, 240



235, 0, 255



240, 0, 140



119, 108, 120



169, 0, 184



52, 0, 56

Inverse Universe

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



240, 0, 19



255, 0, 20



0, 169, 240



120, 108, 109



184, 0, 15



56, 0, 4

Previews

White Background



This preview shows how the RYB color 221, 0, 240 looks on a white background.

Color Contrast Check

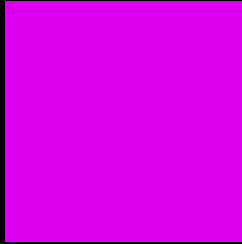
Large Text (above 18pt) WCAG AA ✓ Pass

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 221, 0, 240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

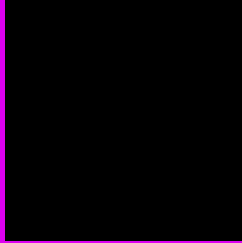
Any Text WCAG AA ✓ Pass

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 221, 0, 240 Background



This preview shows how black text looks on a background with the RYB color 221, 0, 240.



This preview shows how white text looks on a background with the RYB color 221, 0, 240.

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
221, 0, 240

Protanopia
44, 103, 255

Deuteranopia
51, 106, 226



Tritanopia
204, 94, 101

Trichromacy



Original Color

221, 0, 240



Protanomaly

108, 80, 250



Deuteranomaly

113, 83, 231



Tritanomaly

210, 60, 152

Monochromacy



Original Color

221, 0, 240



Achromatopsia

93, 93, 93



Achromatomaly

140, 59, 146

CSS Examples

Text

The CSS property to change the color of the text to RYB 221, 0, 240 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(221, 0, 240)` looks like.

```
.text, #text, p{  
    color:rgb(221, 0, 240)  
}
```

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(221, 0, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 0, 240) }
```

Border

The CSS property to change the border of an element to RYB 221, 0, 240 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(221, 0, 240) }
```

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

```
.border{ border-color:rgb(221, 0, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 0, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 0, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 0, 240);  
box-shadow:4px 4px 4px 4px rgb(221, 0,  
240) }
```

Background

The CSS property to change the background color of an element to RGB 221, 0, 240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 0, 240) }
```

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

```
.background{ background-color: rgb(221, 0,  
240) }
```

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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