

Converting Colors

`RYB(221, 0, 247)`

Have a look what the booklet for
RYB(221, 0, 247) contains.

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Color

R_YB(221, 0, 247)

Conversions

Conversions Part 1

Format	Color
Hex	DD00F7
RGB	221, 0, 247
RGB Percent	87%, 0%, 97%
CMY	0.1333, 1.0000, 0.0314
CMYK	0.11, 1.00, 0.00, 0.03
HSL	294°, 100%, 48%
HSV	294°, 100%, 97%
XYZ	46.6073, 22.0876, 89.8025
YIQ	94.2370, 52.4290, 123.6690

Conversions

Conversions Part 2

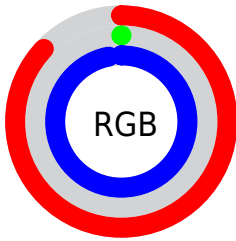
Format	Color
R_{YB}	221, 0, 247
Decimal	14483703
CIE _{Lab}	54.12, 92.04, -66.66
CIE _{LCh}	54, 113.648, 324.085
Yxy	22.0876, 0.2941, 0.1394
Android (android.graphics.Color)	4292673783 (0xFFDD00F7)
YUV	94.2370, 75.3122, 111.1712
Hunter-Lab	46.9974, 94.7729, -80.3930

Details

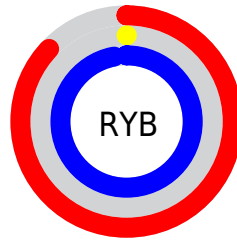
The RYB color **221, 0, 247** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **0, 247, 221**, and the grayscale version is **93, 93, 93**.

A 20% lighter version of the original color is **255, 99, 255**, and **160, 0, 190** is the 20% darker color. If you saturate the color by 10%, you get **221, 0, 247**, and if you desaturate by 10%, it is **224, 25, 247**.

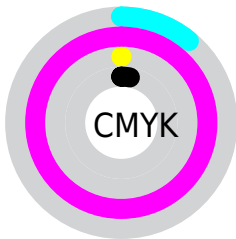
Distribution



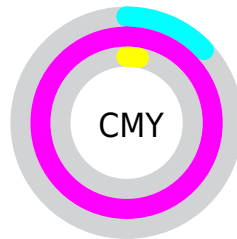
- Red (87%)
- Green (0%)
- Blue (97%)



- Red (87%)
- Yellow (0%)
- Blue (97%)



- Cyan (11%)
- Magenta (100%)
- Yellow (0%)
- Black (3%)






















- Cyan (13%)
- Magenta (100%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the RYB color 221, 0, 247 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, 247 by changing the saturation by 10% instead.


 221, 0, 247	 221, 0, 247
 255, 255, 255	 190, 0, 218
 255, 99, 255	 160, 0, 190
 255, 131, 255	 130, 0, 162
 255, 162, 255	 101, 0, 135
 255, 192, 255	 71, 0, 108
 255, 223, 255	 40, 0, 83
 255, 254, 255	 0, 0, 59
	 0, 2, 36
	 0, 0, 12

 221, 0, 247

 224, 25, 247

 226, 49, 247


 229, 74, 247

 231, 99, 247

 234, 124, 247

 237, 148, 247

 239, 173, 247

 242, 198, 247

 244, 222, 247

Harmonies

Analogous

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



0, 78, 255



221, 0, 247



255, 0, 153

Triad

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



221, 0, 247



78, 174, 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, 247



0, 247, 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, 100, 164



221, 0, 247



0, 147, 71

Square

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



221, 0, 247



243, 80, 0



0, 159, 159



0, 100, 255

Rectangle

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



221, 0, 247



255, 0, 90



0, 159, 159



0, 85, 175

Sweetspot

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



221, 0, 247



247, 179, 255



0, 26, 247



123, 82, 128



0, 0, 0



128, 128, 128

Same Dimension

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



221, 0, 247



228, 0, 255



247, 0, 152



121, 110, 122



167, 0, 186



52, 0, 59

Inverse Universe

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



247, 0, 26



255, 0, 27



0, 178, 247



122, 110, 111



186, 0, 20



59, 0, 6

Previews

White Background



This preview shows how the RYB color 221, 0, 247 looks on a white background.

Color Contrast Check

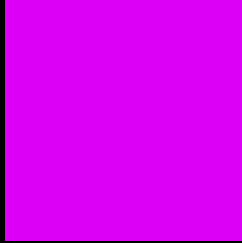
Large Text (above 18pt) WCAG AA ✓ Pass

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, 247 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, 247 Background



This preview shows how black text looks on a background with the RYB color 221, 0, 247.

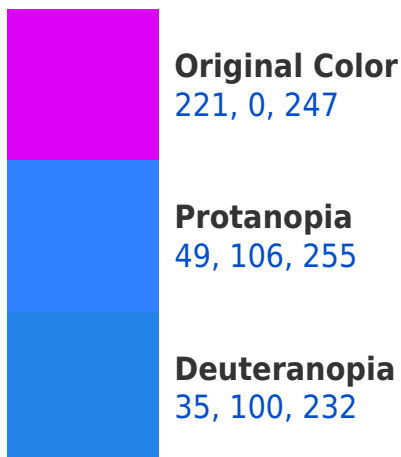


This preview shows how white text looks on a background with the RYB color 221, 0, 247.

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
203, 97, 104

Trichromacy



Original Color

221, 0, 247



Protanomaly

112, 81, 252



Deuteranomaly

103, 85, 237



Tritanomaly

210, 62, 156

Monochromacy



Original Color

221, 0, 247



Achromatopsia

94, 94, 94



Achromatomaly

140, 60, 150

CSS Examples

Text

The CSS property to change the color of the text to RYB 221, 0, 247 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, 247)` looks like.

```
.text, #text, p{  
    color:rgb(221, 0, 247)  
}
```

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, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 0, 247) }
```

Border

The CSS property to change the border of an element to RYB 221, 0, 247 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, 247) }
```

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

```
.border{ border-color:rgb(221, 0, 247) }
```

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, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 0, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 0, 247);  
box-shadow:4px 4px 4px 4px rgb(221, 0,  
247) }
```

Background

The CSS property to change the background color of an element to RGB 221, 0, 247 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, 247) }
```

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

```
.background{ background-color: rgb(221, 0,  
247) }
```

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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