

Converting Colors

`RYB(202, 0, 247)`

Have a look what the booklet for
RYB(202, 0, 247) contains.

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Color

R_YB(202, 0, 247)

Conversions

Conversions Part 1

Format	Color
Hex	CA00F7
RGB	202, 0, 247
RGB Percent	79%, 0%, 97%
CMY	0.2078, 1.0000, 0.0314
CMYK	0.18, 1.00, 0.00, 0.03
HSL	289°, 100%, 48%
HSV	289°, 100%, 97%
XYZ	41.1456, 19.2720, 89.5469
YIQ	88.5560, 41.1050, 119.6410

Conversions

Conversions Part 2

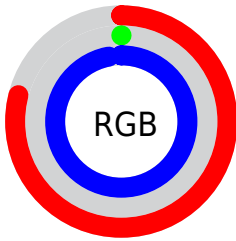
Format	Color
RYB	202, 0, 247
Decimal	13238519
CIELab	51.00, 89.43, -71.86
CIElCh	51, 114.721, 321.217
Yxy	19.2720, 0.2744, 0.1285
Android (android.graphics.Color)	4291428599 (0xFFCA00F7)
YUV	88.5560, 78.1129, 99.4904
Hunter-Lab	43.8998, 90.4764, -90.2099

Details

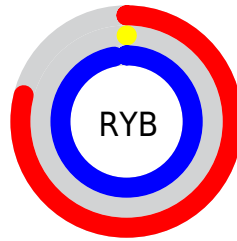
The RYB color **202, 0, 247** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **0, 247, 202**, and the grayscale version is **88, 88, 88**.

A 20% lighter version of the original color is **255, 95, 255**, and **142, 0, 189** is the 20% darker color. If you saturate the color by 10%, you get **202, 0, 247**, and if you desaturate by 10%, it is **206, 25, 247**.

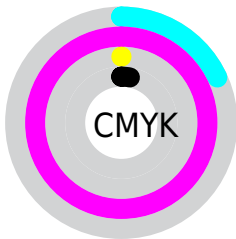
Distribution



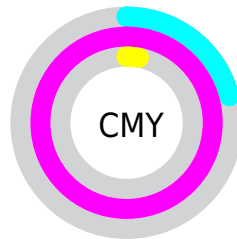
- Red (79%)
- Green (0%)
- Blue (97%)



- Red (79%)
- Yellow (0%)
- Blue (97%)



- Cyan (18%)
- Magenta (100%)
- Yellow (0%)
- Black (3%)



- Cyan (21%)
- Magenta (100%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the RYB color 202, 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 202, 0, 247 by changing the saturation by 10% instead.



202, 0, 247



202, 0, 247

255, 255, 255



172, 0, 218



255, 95, 255



142, 0, 189



255, 127, 255



112, 0, 162



255, 157, 255



81, 0, 134



255, 187, 255



52, 0, 108



255, 218, 255



7, 0, 83



255, 248, 255



0, 0, 58





0, 2, 36




0, 0, 11

 202, 0, 247

 206, 25, 247


 211, 49, 247


 216, 74, 247

 220, 99, 247

 225, 124, 247

 229, 148, 247

 234, 173, 247

 238, 198, 247

 243, 222, 247

Harmonies

Analogous

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



0, 77, 255



202, 0, 247



255, 0, 155

Triad

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



202, 0, 247



102, 172, 0



0, 86, 191

Complementary

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



202, 0, 247



0, 247, 202

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, 155



202, 0, 247



0, 137, 59

Square

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



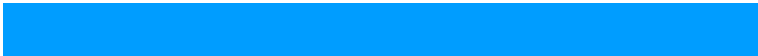
202, 0, 247



239, 40, 0



0, 150, 150



0, 97, 255

Rectangle

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



202, 0, 247



255, 0, 91



0, 150, 150



0, 79, 158

Sweetspot

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



202, 0, 247



241, 179, 255



0, 38, 247



119, 82, 128



0, 0, 0



128, 128, 128

Same Dimension

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



202, 0, 247



209, 0, 255



247, 0, 169



120, 110, 122



152, 0, 186



48, 0, 59

Inverse Universe

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



247, 0, 45



255, 0, 46



0, 188, 247



122, 110, 112



186, 0, 34



59, 0, 11

Previews

White Background



This preview shows how the RYB color 202, 0, 247 looks on a white background.

Color Contrast Check

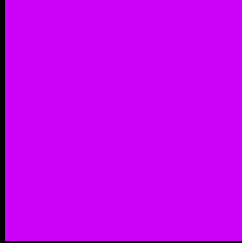
Large Text (above 18pt) WCAG AA ✓ Pass

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 202, 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](#).

R Y B 202, 0, 247 Background



This preview shows how black text looks on a background with the R Y B color 202, 0, 247.



This preview shows how white text looks on a background with the R Y B color 202, 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



Original Color
202, 0, 247

Protanopia
0, 81, 250

Deuteranopia
0, 80, 220



Tritanopia
182, 97, 104

Trichromacy



Original Color

202, 0, 247



Protanomaly

73, 76, 249



Deuteranomaly

73, 80, 230



Tritanomaly

189, 62, 156

Monochromacy



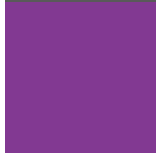
Original Color

202, 0, 247



Achromatopsia

89, 89, 89



Achromatomaly

130, 57, 146

CSS Examples

Text

The CSS property to change the color of the text to RYB 202, 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(202, 0, 247)` looks like.

```
.text, #text, p{  
    color:rgb(202, 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(202, 0, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 0, 247) }
```

Border

The CSS property to change the border of an element to RYB 202, 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(202, 0, 247) }
```

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

```
.border{ border-color:rgb(202, 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(202, 0, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 0, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 0, 247);  
box-shadow:4px 4px 4px 4px rgb(202, 0,  
247) }
```

Background

The CSS property to change the background color of an element to RGB 202, 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(202, 0, 247) }
```

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

```
.background{ background-color: rgb(202, 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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