

Converting Colors

`RYB(210, 0, 242)`

Have a look what the booklet for
RYB(210, 0, 242) contains.

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Color

R_YB(210, 0, 242)

Conversions

Conversions Part 1

Format	Color
Hex	D200F2
RGB	210, 0, 242
RGB Percent	82%, 0%, 95%
CMY	0.1765, 1.0000, 0.0510
CMYK	0.13, 1.00, 0.00, 0.05
HSL	292°, 100%, 47%
HSV	292°, 100%, 95%
XYZ	42.6054, 20.1124, 85.6409
YIQ	90.3780, 47.4780, 119.7820

Conversions

Conversions Part 2

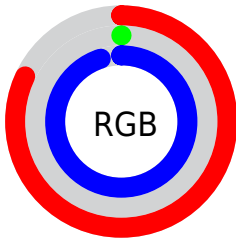
Format	Color
R _Y B	210, 0, 242
Decimal	13762802
CIE Lab	51.96, 89.71, -67.44
CIE LCh	52, 112.230, 323.067
Yxy	20.1124, 0.2872, 0.1356
Android (android.graphics.Color)	4291952882 (0xFFD200F2)
YUV	90.3780, 74.7496, 104.9085
Hunter-Lab	44.8469, 91.0961, -81.8291

Details

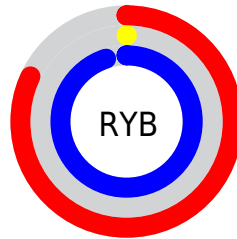
The RYB color **210, 0, 242** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light saturated magenta. A complement of this color would be **0, 242, 210**, and the grayscale version is **90, 90, 90**.

A 20% lighter version of the original color is **255, 96, 255**, and **150, 0, 185** is the 20% darker color. If you saturate the color by 10%, you get **210, 0, 242**, and if you desaturate by 10%, it is **213, 24, 242**.

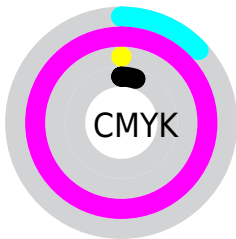
Distribution



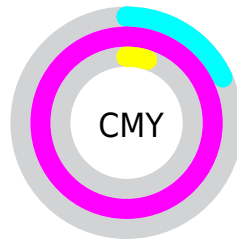
- Red (82%)
- Green (0%)
- Blue (95%)



- Red (82%)
- Yellow (0%)
- Blue (95%)



- Cyan (13%)
- Magenta (100%)
- Yellow (0%)
- Black (5%)



- Cyan (18%)
- Magenta (100%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the RYB color 210, 0, 242 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 210, 0, 242 by changing the saturation by 10% instead.



210, 0, 242



210, 0, 242

255, 255, 255



180, 0, 213



255, 96, 255



150, 0, 185



255, 128, 255



120, 0, 157



255, 159, 255



90, 0, 130



255, 189, 255



61, 0, 104



255, 219, 255



27, 0, 79



255, 250, 255



0, 0, 55



0, 2, 32



0, 0, 5

■ 210, 0, 242

■ 213, 24, 242

■ 216, 48, 242

■ 220, 73, 242

■ 223, 97, 242

■ 226, 121, 242

■ 229, 145, 242

■ 232, 169, 242

■ 236, 194, 242

■ 239, 218, 242

Harmonies

Analogous

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



0, 77, 255



210, 0, 242



255, 0, 151

Triad

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



210, 0, 242



86, 170, 0



0, 88, 198

Complementary

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



210, 0, 242



0, 242, 210

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, 157



210, 0, 242



0, 140, 65

Square

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



210, 0, 242



237, 63, 0



0, 152, 152



0, 98, 255

Rectangle

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



210, 0, 242



255, 0, 88



0, 152, 152



0, 81, 165

Sweetspot

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



210, 0, 242



245, 179, 255



0, 28, 242



121, 82, 128



0, 0, 0



128, 128, 128

Same Dimension

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



210, 0, 242



221, 0, 255



242, 0, 153



118, 108, 120



159, 0, 184



49, 0, 56

Inverse Universe

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



242, 0, 32



255, 0, 34



0, 177, 242



120, 108, 109



184, 0, 24



56, 0, 7

Previews

White Background



This preview shows how the RYB color 210, 0, 242 looks on a white background.

Color Contrast Check

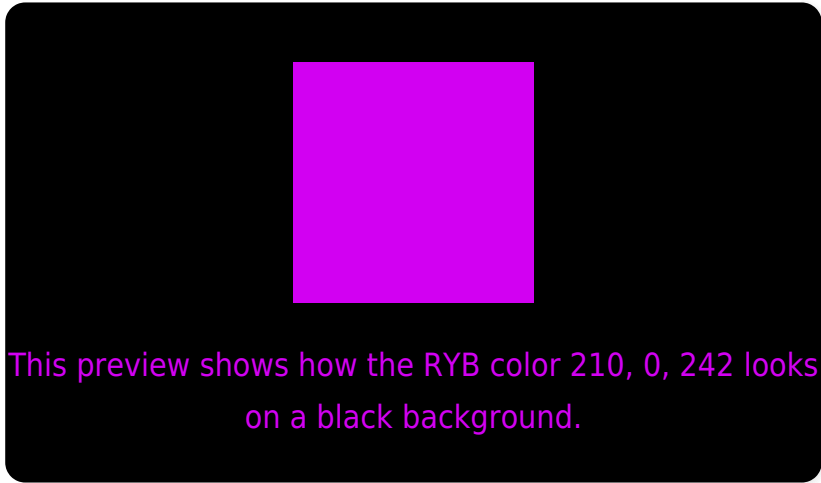
Large Text (above 18pt) WCAG AA ✓ Pass

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

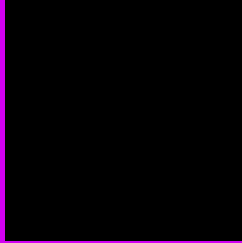
Any Text WCAG AA ✓ Pass

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 210, 0, 242 Background



This preview shows how black text looks on a background with the R Y B color 210, 0, 242.



This preview shows how white text looks on a background with the R Y B color 210, 0, 242.

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
210, 0, 242

Protanopia
7, 85, 255

Deuteranopia
0, 82, 226



Tritanopia
192, 95, 102

Trichromacy



Original Color

210, 0, 242



Protanomaly

81, 77, 250



Deuteranomaly

76, 81, 232



Tritanomaly

199, 60, 153

Monochromacy



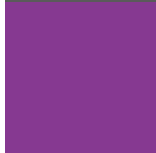
Original Color

210, 0, 242



Achromatopsia

90, 90, 90



Achromatomaly

134, 57, 145

CSS Examples

Text

The CSS property to change the color of the text to RYB 210, 0, 242 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(210, 0, 242)` looks like.

```
.text, #text, p{  
    color:rgb(210, 0, 242)  
}
```

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(210, 0, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 0, 242) }
```

Border

The CSS property to change the border of an element to RYB 210, 0, 242 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(210, 0, 242) }
```

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

```
.border{ border-color:rgb(210, 0, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 0, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 0, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 0, 242);  
box-shadow:4px 4px 4px 4px rgb(210, 0,  
242) }
```

Background

The CSS property to change the background color of an element to RGB 210, 0, 242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 0, 242) }
```

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

```
.background{ background-color: rgb(210, 0,  
242) }
```

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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