

Converting Colors

`RYB(210, 51, 255)`

Have a look what the booklet for
RYB(210, 51, 255) contains.

RYB(210, 51, 255)	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

R_YB(210, 51, 255)

Conversions

Conversions Part 1

Format	Color
Hex	D233FF
RGB	210, 51, 255
RGB Percent	82%, 20%, 100%
CMY	0.1765, 0.8000, 0.0000
CMYK	0.18, 0.80, 0.00, 0.00
HSL	287°, 100%, 60%
HSV	287°, 80%, 100%
XYZ	45.8122, 23.2893, 96.6885
YIQ	121.7970, 29.2800, 97.1520

Conversions

Conversions Part 2

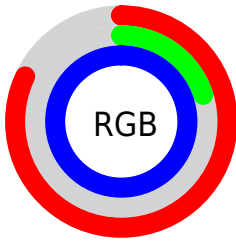
Format	Color
R _Y B	210, 51, 255
Decimal	13775871
CIE Lab	55.37, 84.40, -69.19
CIE LCh	55, 109.136, 320.658
Yxy	23.2893, 0.2763, 0.1405
Android (android.graphics.Color)	4291965951 (0xFFD233FF)
YUV	121.7970, 65.6691, 77.3540
Hunter-Lab	48.2590, 84.9965, -85.0082

Details

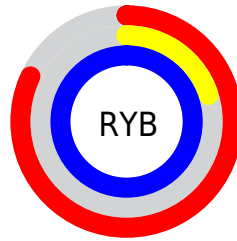
The RYB color **210, 51, 255** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **51, 255, 210**, and the grayscale version is **121, 121, 121**.

A 20% lighter version of the original color is **255, 117, 255**, and **150, 0, 197** is the 20% darker color. If you saturate the color by 10%, you get **204, 25, 255**, and if you desaturate by 10%, it is **216, 77, 255**.

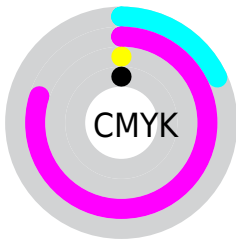
Distribution



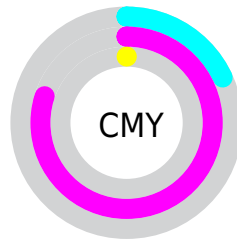
- Red (82%)
- Green (20%)
- Blue (100%)



- Red (82%)
- Yellow (20%)
- Blue (100%)



- Cyan (18%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (80%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RYB color 210, 51, 255 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, 51, 255 by changing the saturation by 10% instead.



210, 51, 255



210, 51, 255

255, 255, 255



180, 0, 226



255, 117, 255



150, 0, 197



255, 147, 255



120, 0, 169



255, 176, 255



91, 0, 142



255, 206, 255



60, 0, 115



255, 236, 255



27, 0, 90



0, 0, 65



0, 3, 42



0, 1, 20

■ 210, 51, 255

■ 210, 51, 255

■ 204, 25, 255

■ 216, 77, 255

■ 199, 0, 255

■ 221, 102, 255

■ 227, 128, 255

■ 233, 153, 255

■ 238, 179, 255

■ 244, 204, 255

■ 249, 230, 255

255, 255, 255

Harmonies

Analogous

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



0, 83, 255



210, 51, 255



255, 0, 167

Triad

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



210, 51, 255



105, 186, 0



0, 91, 198

Complementary

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



210, 51, 255



51, 255, 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, 105, 167



210, 51, 255



0, 147, 49

Square

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



210, 51, 255



250, 76, 0



0, 161, 161



0, 101, 255

Rectangle

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



210, 51, 255



255, 0, 104



0, 161, 161



0, 86, 169

Sweetspot

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



210, 51, 255



242, 194, 255



51, 90, 255



119, 91, 128



0, 0, 0



128, 128, 128

Same Dimension

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



210, 51, 255



201, 10, 255



255, 51, 201



125, 115, 128



149, 0, 191



50, 0, 64

Inverse Universe

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



255, 51, 96



255, 10, 64



51, 212, 255



128, 115, 118



191, 0, 42



64, 0, 14

Previews

White Background



This preview shows how the RYB color 210, 51, 255 looks on a white background.

Color Contrast Check

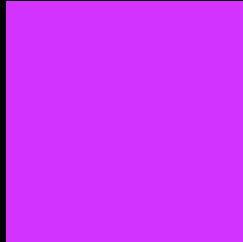
Large Text (above 18pt) WCAG AA ✓ Pass

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 210, 51, 255 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 210, 51, 255 Background



This preview shows how black text looks on a background with the RYB color 210, 51, 255.

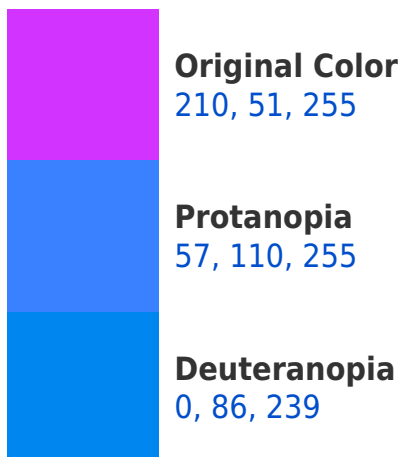



This preview shows how white text looks on a background with the RYB color 210, 51, 255.

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
190, 108, 116

Trichromacy



Original Color

210, 51, 255



Protanomaly

113, 101, 255



Deuteranomaly

76, 100, 245



Tritanomaly

197, 87, 167

Monochromacy



Original Color

210, 51, 255



Achromatopsia

122, 122, 122



Achromatomaly

154, 96, 170

CSS Examples

Text

The CSS property to change the color of the text to RYB 210, 51, 255 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, 51, 255) looks like.

```
.text, #text, p{  
    color:rgb(210, 51, 255)  
}
```

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, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 51, 255) }
```

Border

The CSS property to change the border of an element to RYB 210, 51, 255 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, 51, 255) }
```

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

```
.border{ border-color:rgb(210, 51, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 51, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(210, 51,  
255) }
```

Background

The CSS property to change the background color of an element to RGB 210, 51, 255 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 51, 255) }
```

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

```
.background{ background-color: rgb(210, 51,  
255) }
```

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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