

Converting Colors

`RYB(202, 61, 245)`

Have a look what the booklet for RYB(202, 61, 245) contains.

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Color

R_YB(202, 61, 245)

Conversions

Conversions Part 1

Format	Color
Hex	CA3DF5
RGB	202, 61, 245
RGB Percent	79%, 24%, 96%
CMY	0.2078, 0.7608, 0.0392
CMYK	0.18, 0.75, 0.00, 0.04
HSL	286°, 90%, 60%
HSV	286°, 75%, 96%
XYZ	42.5073, 22.4866, 88.4862
YIQ	124.1350, 24.9720, 87.1160

Conversions

Conversions Part 2

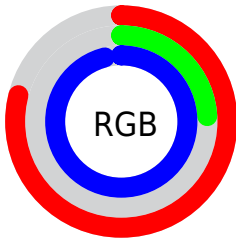
Format	Color
R _Y B	202, 61, 245
Decimal	13254133
CIE Lab	54.54, 78.32, -65.02
CIE LCh	55, 101.788, 320.300
Yxy	22.4866, 0.2770, 0.1465
Android (android.graphics.Color)	4291444213 (0xFFCA3DF5)
YUV	124.1350, 59.5864, 68.2876
Hunter-Lab	47.4201, 77.0221, -77.4415

Details

The RYB color **202, 61, 245** 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 **61, 245, 202**, and the grayscale version is **124, 124, 124**.

A 20% lighter version of the original color is **255, 122, 255**, and **143, 0, 188** is the 20% darker color. If you saturate the color by 10%, you get **196, 36, 245**, and if you desaturate by 10%, it is **208, 86, 245**.

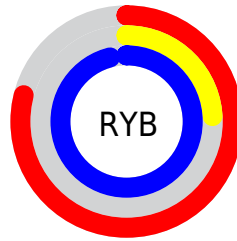
Distribution



Red (79%)

Green (24%)

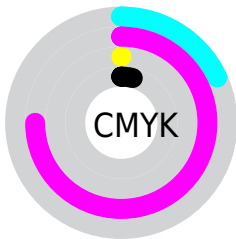
Blue (96%)



Red (79%)

Yellow (24%)

Blue (96%)

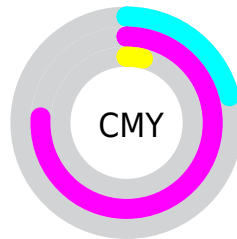


Cyan (18%)

Magenta (75%)

Yellow (0%)

Black (4%)



Cyan (21%)

Magenta (76%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the RYB color 202, 61, 245 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, 61, 245 by changing the saturation by 10% instead.



202, 61, 245



202, 61, 245

255, 255, 255



172, 19, 216



255, 122, 255



143, 0, 188



255, 151, 255



114, 0, 160



255, 181, 255



84, 0, 133



255, 210, 255



55, 0, 107



255, 240, 255



21, 0, 82



0, 0, 57



0, 2, 35



0, 0, 9

■ 202, 61, 245

■ 202, 61, 245

■ 196, 36, 245

■ 208, 86, 245

■ 191, 12, 245

■ 213, 110, 245

■ 188, 0, 245

■ 219, 134, 245

■ 225, 159, 245

■ 231, 183, 245

■ 236, 208, 245

■ 242, 233, 245

■ 245, 255, 252

■ 245, 255, 246

Harmonies

Analogous

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



0, 82, 255



202, 61, 245



255, 0, 163

Triad

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



202, 61, 245



103, 183, 0



0, 88, 190

Complementary

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



202, 61, 245



61, 245, 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, 102, 163



202, 61, 245



0, 144, 42

Square

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



202, 61, 245



242, 87, 0



0, 157, 157



0, 99, 255

Rectangle

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



202, 61, 245



255, 0, 105



0, 157, 157



0, 84, 165

Sweetspot

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



202, 61, 245



241, 196, 255



61, 98, 245



119, 92, 128



0, 0, 0



128, 128, 128

Same Dimension

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



202, 61, 245



201, 25, 255



245, 61, 199



120, 110, 122



143, 0, 186



45, 0, 59

Inverse Universe

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



245, 61, 104



255, 25, 79



61, 208, 245



122, 110, 113



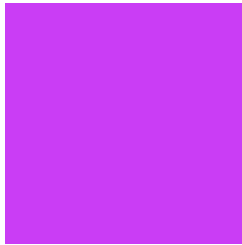
186, 0, 44



59, 0, 14

Previews

White Background



This preview shows how the RYB color 202, 61, 245 looks on a white background.

Color Contrast Check

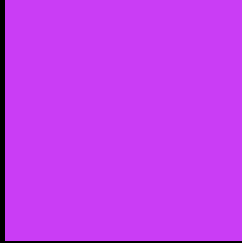
Large Text (above 18pt) WCAG AA ✓ Pass

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, 61, 245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

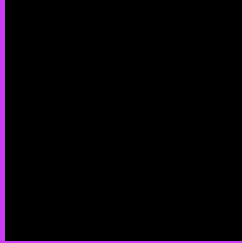
Any Text WCAG AA ✓ Pass

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, 61, 245 Background



This preview shows how black text looks on a background with the RYB color 202, 61, 245.

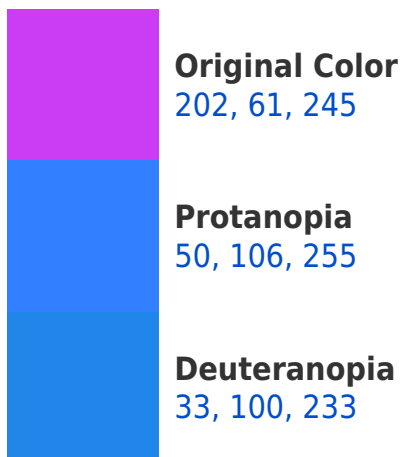



This preview shows how white text looks on a background with the RYB color 202, 61, 245.

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
184, 109, 117

Trichromacy



Original Color

202, 61, 245



Protanomaly

105, 103, 251



Deuteranomaly

94, 106, 237



Tritanomaly

191, 92, 164

Monochromacy



Original Color

202, 61, 245



Achromatopsia

124, 124, 124



Achromatomaly

152, 101, 168

CSS Examples

Text

The CSS property to change the color of the text to RYB 202, 61, 245 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, 61, 245) looks like.

```
.text, #text, p{  
    color:rgb(202, 61, 245)  
}
```

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, 61, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 61, 245) }
```

Border

The CSS property to change the border of an element to RYB 202, 61, 245 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, 61, 245) }
```

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

```
.border{ border-color:rgb(202, 61, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 61, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 61, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 61, 245);  
box-shadow:4px 4px 4px 4px rgb(202, 61,  
245) }
```

Background

The CSS property to change the background color of an element to RGB 202, 61, 245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 61, 245) }
```

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

```
.background{ background-color: rgb(202, 61,  
245) }
```

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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