

Converting Colors

`RYB(199, 61, 237)`

Have a look what the booklet for RYB(199, 61, 237) contains.

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Color

R_YB(199, 61, 237)

Conversions

Conversions Part 1

Format	Color
Hex	C73DED
RGB	199, 61, 237
RGB Percent	78%, 24%, 93%
CMY	0.2196, 0.7608, 0.0706
CMYK	0.16, 0.74, 0.00, 0.07
HSL	287°, 83%, 58%
HSV	287°, 74%, 93%
XYZ	40.5080, 21.5940, 82.1538
YIQ	122.3260, 25.7520, 83.9920

Conversions

Conversions Part 2

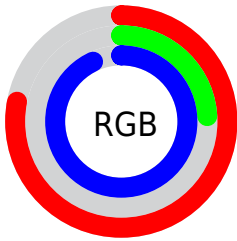
Format	Color
R _Y B	199, 61, 237
Decimal	13057517
CIE Lab	53.59, 76.30, -62.09
CIE LCh	54, 98.370, 320.865
Yxy	21.5940, 0.2808, 0.1497
Android (android.graphics.Color)	4291247597 (0xFFC73DED)
YUV	122.3260, 56.5343, 67.2431
Hunter-Lab	46.4694, 74.2795, -72.2910

Details

The RYB color **199, 61, 237** 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, 237, 199**, and the grayscale version is **122, 122, 122**.

A 20% lighter version of the original color is **255, 121, 255**, and **140, 0, 180** is the 20% darker color. If you saturate the color by 10%, you get **194, 37, 237**, and if you desaturate by 10%, it is **204, 85, 237**.

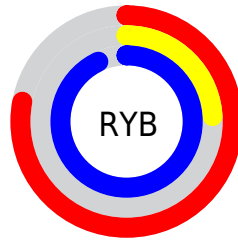
Distribution



Red (78%)

Green (24%)

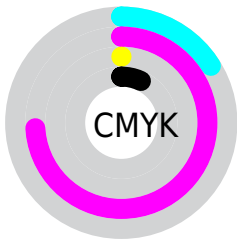
Blue (93%)



Red (78%)

Yellow (24%)

Blue (93%)

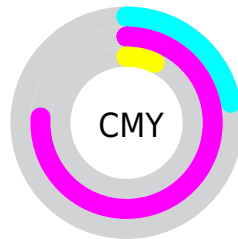


Cyan (16%)

Magenta (74%)

Yellow (0%)

Black (7%)



Cyan (22%)


















Magenta (76%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 199, 61, 237 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 199, 61, 237 by changing the saturation by 10% instead.

 199, 61, 237	 199, 61, 237
 255, 255, 255	 169, 20, 208
 255, 121, 255	 140, 0, 180
 255, 151, 255	 111, 0, 153
 255, 180, 255	 82, 0, 126
 255, 209, 255	 54, 0, 100
 255, 239, 255	 20, 0, 75
	 0, 0, 51
	 0, 2, 29
	 0, 0, 0

■ 199, 61, 237

■ 199, 61, 237

■ 194, 37, 237

■ 204, 85, 237

■ 189, 14, 237

■ 209, 108, 237

■ 186, 0, 237

■ 214, 132, 237

■ 219, 156, 237

■ 225, 180, 237

■ 230, 203, 237

■ 235, 227, 237

■ 237, 251, 248

■ 237, 255, 247

Harmonies

Analogous

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



0, 81, 255



199, 61, 237



255, 0, 158

Triad

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



199, 61, 237



95, 178, 0



0, 87, 187

Complementary

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



199, 61, 237



61, 237, 199

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, 160



199, 61, 237



0, 141, 41

Square

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



199, 61, 237



235, 94, 0



0, 154, 154



0, 98, 255

Rectangle

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



199, 61, 237



255, 0, 102



0, 154, 154



0, 81, 161

Sweetspot

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



199, 61, 237



243, 199, 255



61, 92, 237



120, 94, 128



0, 0, 0



128, 128, 128

Same Dimension

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



199, 61, 237



206, 28, 255



237, 61, 187



115, 106, 117



142, 0, 181



42, 0, 54

Inverse Universe

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



237, 61, 99



255, 28, 77



61, 198, 237



117, 106, 108



181, 0, 39



54, 0, 12

Previews

White Background



This preview shows how the RYB color 199, 61, 237 looks on a white background.

Color Contrast Check

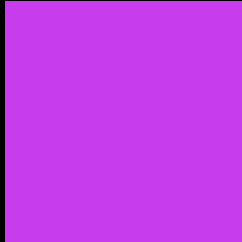
Large Text (above 18pt) WCAG AA ✓ Pass

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 199, 61, 237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

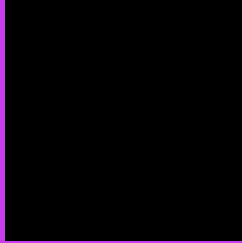
Any Text WCAG AA ✓ Pass

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 199, 61, 237 Background



This preview shows how black text looks on a background with the RYB color 199, 61, 237.

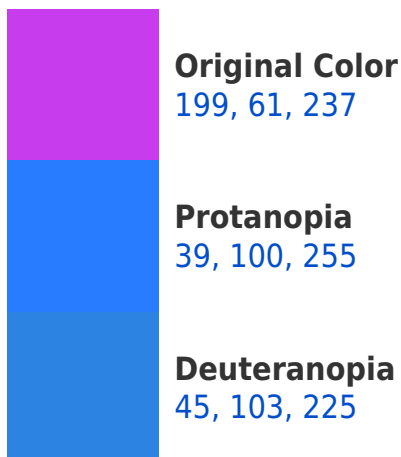



This preview shows how white text looks on a background with the RYB color 199, 61, 237.

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](#).

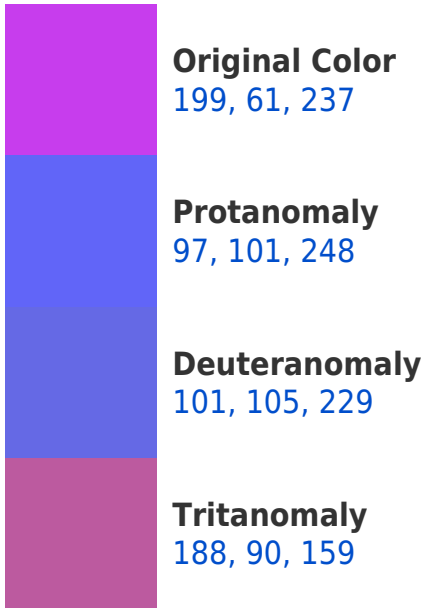
Dichromacy



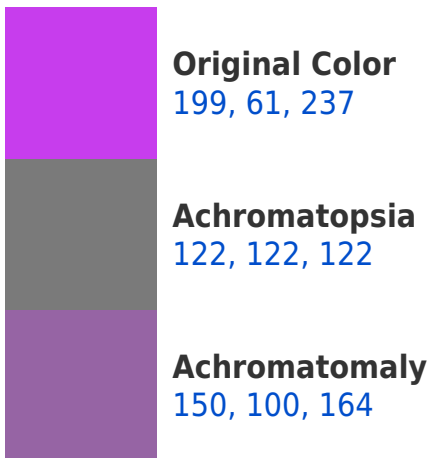


Tritanopia
182, 106, 114

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 199, 61, 237 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(199, 61, 237) looks like.

```
.text, #text, p{  
    color:rgb(199, 61, 237)  
}
```

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(199, 61, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 61, 237) }
```

Border

The CSS property to change the border of an element to RYB 199, 61, 237 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(199, 61, 237) }
```

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

```
.border{ border-color:rgb(199, 61, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 61, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 61, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 61, 237);  
box-shadow:4px 4px 4px 4px rgb(199, 61,  
237) }
```

Background

The CSS property to change the background color of an element to RGB 199, 61, 237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 61, 237) }
```

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

```
.background{ background-color: rgb(199, 61,  
237) }
```

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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