

Converting Colors

`RYB(196, 61, 255)`

Have a look what the booklet for
RYB(196, 61, 255) contains.

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Color

R_YB(196, 61, 255)

Conversions

Conversions Part 1

Format	Color
Hex	C43DFF
RGB	196, 61, 255
RGB Percent	77%, 24%, 100%
CMY	0.2314, 0.7608, 0.0000
CMYK	0.23, 0.76, 0.00, 0.00
HSL	282°, 100%, 62%
HSV	282°, 76%, 100%
XYZ	42.4837, 22.2932, 96.6716
YIQ	123.4810, 18.1860, 88.9540

Conversions

Conversions Part 2

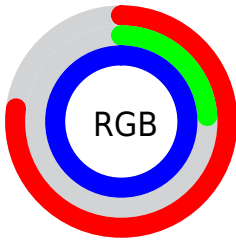
Format	Color
R_{YB}	196, 61, 255
Decimal	12860927
CIE Lab	54.34, 79.12, -70.95
CIE LCh	54, 106.275, 318.114
Yxy	22.2932, 0.2631, 0.1381
Android (android.graphics.Color)	4291051007 (0xFFC43DFF)
YUV	123.4810, 64.8389, 63.5992
Hunter-Lab	47.2157, 77.9829, -88.3420

Details

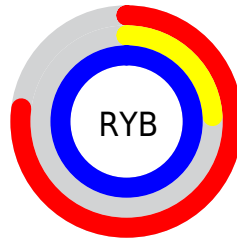
The RYB color **196, 61, 255** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **61, 255, 196**, and the grayscale version is **123, 123, 123**.

A 20% lighter version of the original color is **255, 122, 255**, and **136, 0, 197** is the 20% darker color. If you saturate the color by 10%, you get **188, 35, 255**, and if you desaturate by 10%, it is **204, 87, 255**.

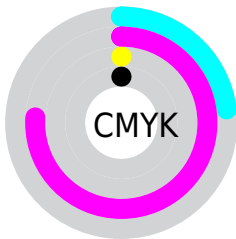
Distribution



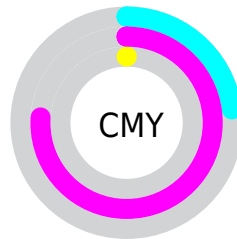
- Red (77%)
- Green (24%)
- Blue (100%)



- Red (77%)
- Yellow (24%)
- Blue (100%)



- Cyan (23%)
- Magenta (76%)
- Yellow (0%)
- Black (0%)





- Cyan (23%)
- Magenta (76%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RYB color 196, 61, 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 196, 61, 255 by changing the saturation by 10% instead.

 196, 61, 255

 196, 61, 255

255, 255, 255

 166, 19, 226

 255, 122, 255

 136, 0, 197

 255, 151, 255

 107, 0, 169

 255, 180, 255

 76, 0, 142

 255, 210, 255

 45, 0, 115

 255, 239, 255

 0, 0, 90

 0, 0, 65

 0, 3, 42

 0, 1, 20

■ 196, 61, 255

■ 196, 61, 255

■ 188, 35, 255

■ 204, 87, 255

■ 180, 10, 255

■ 212, 112, 255

■ 177, 0, 255

■ 219, 138, 255

■ 227, 163, 255

■ 235, 189, 255

■ 243, 214, 255

■ 250, 240, 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



196, 61, 255



255, 0, 171

Triad

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



196, 61, 255



125, 188, 0



0, 87, 185

Complementary

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



196, 61, 255



61, 255, 196

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, 163



196, 61, 255



0, 143, 37

Square

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



196, 61, 255



248, 64, 0



0, 157, 157



0, 100, 255

Rectangle

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



196, 61, 255



255, 0, 110



0, 157, 157



0, 85, 165

Sweetspot

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



196, 61, 255



237, 196, 255



61, 107, 255



117, 92, 128



0, 0, 0



128, 128, 128

Same Dimension

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



196, 61, 255



184, 23, 255



255, 61, 219



124, 115, 128



133, 0, 191



44, 0, 64

Inverse Universe

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



255, 61, 120



255, 23, 94



61, 225, 255



128, 115, 119



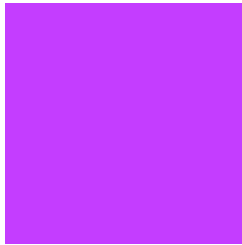
191, 0, 58



64, 0, 19

Previews

White Background



This preview shows how the RYB color 196, 61, 255 looks on a white background.

Color Contrast Check

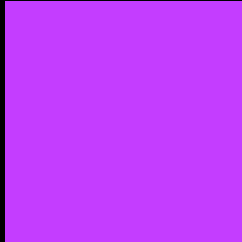
Large Text (above 18pt) WCAG AA ✓ Pass

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 196, 61, 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](#).

RYP 196, 61, 255 Background



This preview shows how black text looks on a background with the RYP color 196, 61, 255.

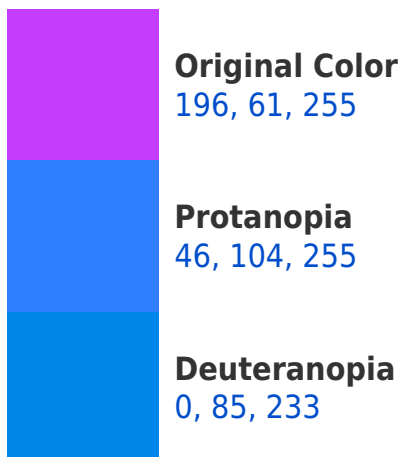


This preview shows how white text looks on a background with the RYP color 196, 61, 255.

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
175, 112, 120

Trichromacy



Original Color

196, 61, 255



Protanomaly

101, 102, 255



Deuteranomaly

71, 101, 241



Tritanomaly

183, 93, 169

Monochromacy



Original Color

196, 61, 255



Achromatopsia

123, 123, 123



Achromatomaly

150, 100, 171

CSS Examples

Text

The CSS property to change the color of the text to RYB 196, 61, 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(196, 61, 255)` looks like.

```
.text, #text, p{  
    color:rgb(196, 61, 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(196, 61, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 61, 255) }
```

Border

The CSS property to change the border of an element to RYB 196, 61, 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(196, 61, 255) }
```

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

```
.border{ border-color:rgb(196, 61, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 61, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 61, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 61, 255); box-shadow:4px 4px 4px 4px rgb(196, 61, 255) }
```

Background

The CSS property to change the background color of an element to RYB 196, 61, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 61, 255) }
```

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

```
.background{ background-color: rgb(196, 61,  
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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