

Converting Colors

RGB(221, 28, 253)

Have a look what the booklet for
RGB(221, 28, 253) contains.

RGB(221, 28, 253)	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

RGB(221, 28, 253)

Conversions

Conversions Part 1

Format	Color
Hex	DD1CFD
RGB	221, 28, 253
RGB Percent	87%, 11%, 99%
CMY	0.1333, 0.8902, 0.0078
CMYK	0.13, 0.89, 0.00, 0.01
HSL	291°, 98%, 55%
HSV	291°, 89%, 99%
XYZ	47.9637, 23.2945, 94.8968
YIQ	111.3570, 42.8030, 110.8910

Conversions

Conversions Part 2

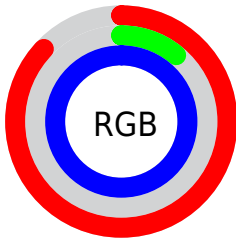
Format	Color
R _{YB}	221, 28, 253
Decimal	14490877
CIE _{Lab}	55.37, 90.42, -67.98
CIE _{LCh}	55, 113.128, 323.063
Yxy	23.2945, 0.2887, 0.1402
Android (android.graphics.Color)	4292680957 (0xFFDD1CFD)
YUV	111.3570, 69.8300, 96.1569
Hunter-Lab	48.2644, 92.9252, -82.7902

Details

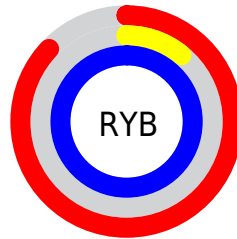
The RGB color **221, 28, 253** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **60, 253, 28**, and the grayscale version is **111, 111, 111**.

A 20% lighter version of the original color is **255, 106, 255**, and **160, 0, 195** is the 20% darker color. If you saturate the color by 10%, you get **217, 3, 253**, and if you desaturate by 10%, it is **225, 53, 253**.

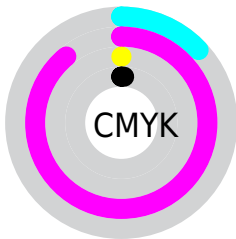
Distribution



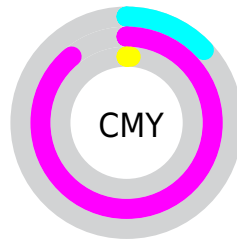
- Red (87%)
- Green (11%)
- Blue (99%)



- Red (87%)
- Yellow (11%)
- Blue (99%)



- Cyan (13%)
- Magenta (89%)
- Yellow (0%)
- Black (1%)




















- Cyan (13%)
- Magenta (89%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the RGB color 221, 28, 253 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 RGB color 221, 28, 253 by changing the saturation by 10% instead.

 221, 28, 253	 221, 28, 253
 255, 255, 255	 191, 0, 224
 255, 106, 255	 160, 0, 195
 255, 137, 255	 131, 0, 167
 255, 168, 255	 101, 0, 140
 255, 198, 255	 71, 0, 114
 255, 229, 255	 40, 0, 88
	 0, 0, 63
	 0, 3, 40
	 0, 1, 18

■ 221, 28, 253

■ 221, 28, 253

■ 217, 3, 253

■ 225, 53, 253

■ 217, 0, 253

■ 228, 79, 253

■ 232, 104, 253

■ 235, 129, 253

■ 239, 155, 253

■ 243, 180, 253

■ 246, 205, 253

■ 250, 230, 253

■ 253, 255, 253

Harmonies

Analogous

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



0, 118, 255



221, 28, 253



255, 0, 160

Triad

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



221, 28, 253



181, 121, 0



0, 170, 208

Complementary

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



221, 28, 253



60, 253, 28

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, 168, 106



221, 28, 253



85, 149, 0

Square

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



221, 28, 253



249, 61, 0



0, 162, 0



0, 168, 255

Rectangle

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



221, 28, 253



255, 0, 96



0, 162, 0



0, 169, 175

Sweetspot

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



221, 28, 253



245, 186, 255



28, 62, 253



122, 87, 128



0, 0, 0



128, 128, 128

Same Dimension

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



221, 28, 253



219, 0, 255



253, 28, 174



126, 115, 128



164, 0, 191



55, 0, 64

Inverse Universe

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



253, 28, 60



255, 0, 36



28, 253, 107



128, 115, 117



191, 0, 27



64, 0, 9

Previews

White Background



This preview shows how the RGB color 221, 28, 253 looks on a white background.

Color Contrast Check

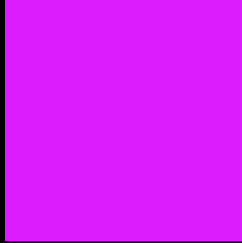
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the RGB color 221, 28, 253 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

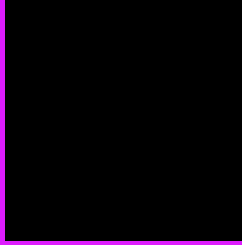
Any Text WCAG AA ✓ Pass

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](#).

RGB 221, 28, 253 Background



This preview shows how black text looks on a background with the RGB color 221, 28, 253.



This preview shows how white text looks on a background with the RGB color 221, 28, 253.

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


221, 28, 253

Protanopia

57, 129, 255

Deuteranopia

25, 135, 238



Tritanopia
202, 102, 109

Trichromacy



Original Color

221, 28, 253



Protanomaly

117, 92, 254



Deuteranomaly

96, 96, 243



Tritanomaly

209, 75, 161

Monochromacy



Original Color

221, 28, 253



Achromatopsia

111, 111, 111



Achromatomaly

151, 81, 163

CSS Examples

Text

The CSS property to change the color of the text to RGB 221, 28, 253 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(221, 28, 253)` looks like.

```
.text, #text, p{  
    color:rgb(221, 28, 253)  
}
```

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(221, 28, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 28, 253) }
```

Border

The CSS property to change the border of an element to RGB 221, 28, 253 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(221, 28, 253) }
```

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

```
.border{ border-color:rgb(221, 28, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 28, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 28, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 28, 253);  
box-shadow:4px 4px 4px 4px rgb(221, 28,  
253) }
```

Background

The CSS property to change the background color of an element to RGB 221, 28, 253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 28, 253) }
```

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

```
.background{ background-color: rgb(221, 28,  
253) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor