

Converting Colors

RGB(228, 15, 235)

Have a look what the booklet for
RGB(228, 15, 235) contains.

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Color

RGB(228, 15, 235)

Conversions

Conversions Part 1

Format	Color
Hex	E40FEB
RGB	228, 15, 235
RGB Percent	89%, 6%, 92%
CMY	0.1059, 0.9412, 0.0784
CMYK	0.03, 0.94, 0.00, 0.08
HSL	298°, 88%, 49%
HSV	298°, 94%, 92%
XYZ	47.1611, 22.8338, 80.5190
YIQ	103.7670, 56.3280, 113.5760

Conversions

Conversions Part 2

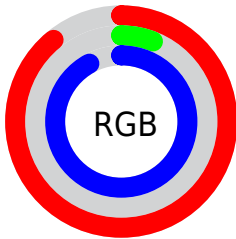
Format	Color
R _Y B	228, 15, 235
Decimal	14946283
CIE Lab	54.90, 90.23, -58.62
CIE LCh	55, 107.601, 326.991
Yxy	22.8338, 0.3133, 0.1517
Android (android.graphics.Color)	4293136363 (0xFFE40FEB)
YUV	103.7670, 64.6979, 108.9523
Hunter-Lab	47.7847, 92.5474, -66.4565

Details

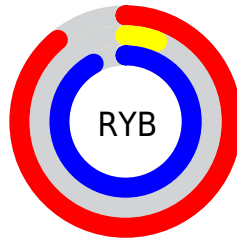
The RGB color **228, 15, 235** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **22, 235, 15**, and the grayscale version is **103, 103, 103**.

A 20% lighter version of the original color is **255, 102, 255**, and **167, 0, 178** is the 20% darker color. If you saturate the color by 10%, you get **228, 0, 235**, and if you desaturate by 10%, it is **229, 38, 235**.

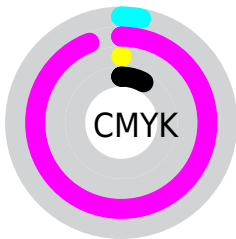
Distribution



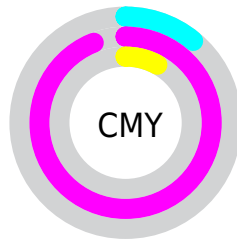
- Red (89%)
- Green (6%)
- Blue (92%)



- Red (89%)
- Yellow (6%)
- Blue (92%)



- Cyan (3%)
- Magenta (94%)
- Yellow (0%)
- Black (8%)




















- Cyan (11%)
- Magenta (94%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the RGB color 228, 15, 235 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 228, 15, 235 by changing the saturation by 10% instead.

 228, 15, 235	 228, 15, 235
 255, 255, 255	 198, 0, 206
 255, 102, 255	 167, 0, 178
 255, 134, 255	 138, 0, 151
 255, 165, 255	 108, 0, 124
 255, 195, 255	 79, 0, 98
 255, 226, 255	 50, 0, 74
	 16, 0, 50
	 0, 1, 28
	 0, 0, 0

■ 228, 15, 235

■ 228, 15, 235

■ 228, 0, 235

■ 229, 38, 235

■ 229, 62, 235

■ 230, 85, 235

■ 231, 109, 235

■ 232, 132, 235

■ 232, 156, 235

■ 233, 179, 235

■ 234, 203, 235

■ 235, 226, 235

Harmonies

Analogous

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



58, 111, 255



228, 15, 235



255, 0, 145

Triad

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



228, 15, 235



168, 125, 0



0, 167, 215

Complementary

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



228, 15, 235



22, 235, 15

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, 166, 119



228, 15, 235



73, 150, 0

Square

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



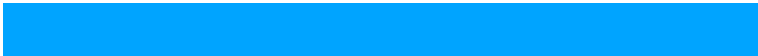
228, 15, 235



236, 76, 0



0, 161, 0



0, 164, 255

Rectangle

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



228, 15, 235



255, 0, 85



0, 161, 0



0, 167, 184

Sweetspot

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



228, 15, 235



253, 184, 255



15, 22, 235



126, 84, 128



0, 0, 0



128, 128, 128

Same Dimension

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



228, 15, 235



247, 0, 255



235, 15, 132



117, 106, 117



175, 0, 181



52, 0, 54

Inverse Universe

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



235, 15, 22



255, 0, 8



15, 235, 118



117, 106, 106



181, 0, 6



54, 0, 2

Previews

White Background



This preview shows how the RGB color 228, 15, 235 looks on a white background.

Color Contrast Check

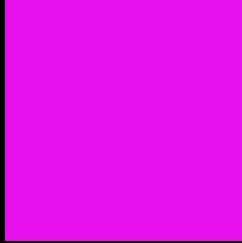
Large Text (above 18pt) WCAG AA ✓ Pass

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 228, 15, 235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

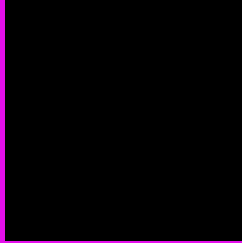
Any Text WCAG AA ✓ Pass

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 228, 15, 235 Background



This preview shows how black text looks on a background with the RGB color 228, 15, 235.



This preview shows how white text looks on a background with the RGB color 228, 15, 235.

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

228, 15, 235

Protanopia

55, 128, 255

Deuteranopia

72, 133, 221



Tritanopia
213, 93, 99

Trichromacy



Original Color

228, 15, 235



Protanomaly

118, 87, 248



Deuteranomaly

129, 90, 226



Tritanomaly

218, 65, 148

Monochromacy



Original Color

228, 15, 235



Achromatopsia

104, 104, 104



Achromatomaly

149, 72, 152

CSS Examples

Text

The CSS property to change the color of the text to RGB 228, 15, 235 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(228, 15, 235)` looks like.

```
.text, #text, p{  
  color:rgb(228, 15, 235)  
}
```

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(228, 15, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 15, 235) }
```

Border

The CSS property to change the border of an element to RGB 228, 15, 235 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(228, 15, 235) }
```

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

```
.border{ border-color:rgb(228, 15, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 15, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 15, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 15, 235);  
box-shadow:4px 4px 4px 4px rgb(228, 15,  
235) }
```

Background

The CSS property to change the background color of an element to RGB 228, 15, 235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 15, 235) }
```

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

```
.background{ background-color: rgb(228, 15,  
235) }
```

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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