

Converting Colors

RGB(227, 87, 255)

Have a look what the booklet for
RGB(227, 87, 255) contains.

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Color

RGB(227, 87, 255)

Conversions

Conversions Part 1	
Format	Color
Hex	E357FF
RGB	227, 87, 255
RGB Percent	89%, 34%, 100%
CMY	0.1098, 0.6588, 0.0000
CMYK	0.11, 0.66, 0.00, 0.00
HSL	290°, 100%, 67%
HSV	290°, 66%, 100%
XYZ	53.1367, 30.3673, 97.6686
YIQ	148.0120, 29.5120, 81.9280

Conversions

Conversions Part 2

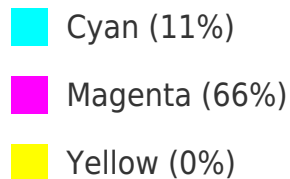
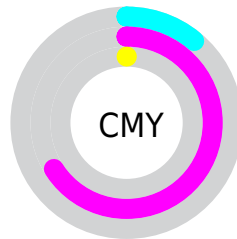
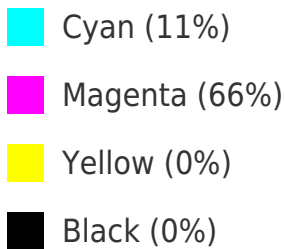
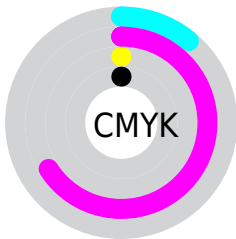
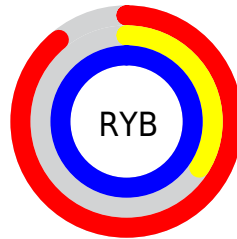
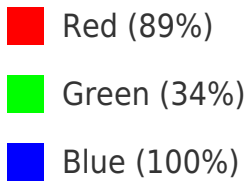
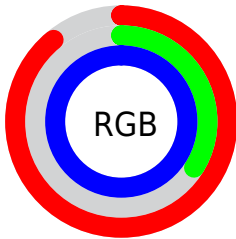
Format	Color
RYB	227, 87, 255
Decimal	14899199
CIELab	61.97, 75.82, -58.45
CIELCh	62, 95.736, 322.370
Yxy	30.3673, 0.2933, 0.1676
Android (android.graphics.Color)	4293089279 (0xFFE357FF)
YUV	148.0120, 52.7451, 69.2725
Hunter-Lab	55.1065, 75.6832, -66.5087

Details

The RGB color **227, 87, 255** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **115, 255, 87**, and the grayscale version is **147, 147, 147**.

A 20% lighter version of the original color is **255, 146, 255**, and **168, 7, 197** is the 20% darker color. If you saturate the color by 10%, you get **223, 62, 255**, and if you desaturate by 10%, it is **231, 113, 255**.

Distribution



Brightness & Saturation Gradients

These gradients show how the RGB color 227, 87, 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 RGB color 227, 87, 255 by changing the saturation by 10% instead.



227, 87, 255



227, 87, 255

255, 255, 255



197, 55, 226



255, 146, 255



168, 7, 197



255, 175, 255



139, 0, 170



255, 204, 255



110, 0, 142



255, 234, 255



81, 0, 116



54, 0, 91



21, 0, 66




0, 3, 43




0, 1, 21


 227, 87, 255


 227, 87, 255


 223, 62, 255

 231, 113, 255


 219, 36, 255

 236, 138, 255

 214, 11, 255

 240, 164, 255

 213, 0, 255

 244, 189, 255

 248, 215, 255

 253, 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.



66, 137, 255



227, 87, 255



255, 0, 175

Triad

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



227, 87, 255



200, 139, 0



0, 185, 213

Complementary

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



227, 87, 255



115, 255, 87

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, 184, 125



227, 87, 255



121, 164, 0

Square

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



227, 87, 255



255, 97, 0



0, 177, 23



0, 181, 255

Rectangle

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



227, 87, 255



255, 0, 119



0, 177, 23



0, 185, 184

Sweetspot

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



227, 87, 255



247, 204, 255



87, 115, 255



122, 97, 128



0, 0, 0



128, 128, 128

Same Dimension

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



227, 87, 255



221, 54, 255



255, 87, 199



125, 115, 128



159, 0, 191



53, 0, 64

Inverse Universe

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



255, 87, 115



255, 54, 87



87, 255, 143



128, 115, 117



191, 0, 32



64, 0, 11

Previews

White Background



This preview shows how the RGB color 227, 87, 255 looks on a white background.

Color Contrast Check

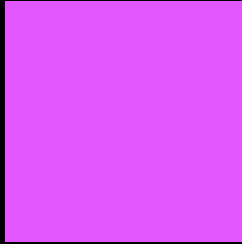
Large Text (above 18pt) WCAG AA × Fail

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 227, 87, 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RGB 227, 87, 255 Background



This preview shows how black text looks on a background with the RGB color 227, 87, 255.



This preview shows how white text looks on a background with the RGB color 227, 87, 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



Original Color

227, 87, 255

Protanopia

101, 147, 255

Deuteranopia

92, 150, 244



Tritanopia

211, 125, 134

Trichromacy



Original Color

227, 87, 255



Protanomaly

147, 125, 255



Deuteranomaly

141, 127, 248



Tritanomaly

217, 111, 178

Monochromacy



Original Color

227, 87, 255



Achromatopsia

148, 148, 148



Achromatomaly

177, 126, 187

CSS Examples

Text

The CSS property to change the color of the text to RGB 227, 87, 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(227, 87, 255) looks like.

```
.text, #text, p{  
    color:rgb(227, 87, 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(227, 87, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 87, 255) }
```

Border

The CSS property to change the border of an element to RGB 227, 87, 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(227, 87, 255) }
```

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

```
.border{ border-color:rgb(227, 87, 255) }
```

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

Here you see how a box with a 4 pixel rgb(227, 87, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 87, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 87, 255);  
box-shadow:4px 4px 4px 4px rgb(227, 87,  
255) }
```

Background

The CSS property to change the background color of an element to RGB 227, 87, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 87, 255) }
```

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

```
.background{ background-color: rgb(227, 87,  
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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