

Converting Colors

RGB(236, 157, 255)

Have a look what the booklet for
RGB(236, 157, 255) contains.

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Color

RGB(236, 157, 255)

Conversions

Conversions Part 1

Format	Color
Hex	EC9DFF
RGB	236, 157, 255
RGB Percent	93%, 62%, 100%
CMY	0.0745, 0.3843, 0.0000
CMYK	0.07, 0.38, 0.00, 0.00
HSL	288°, 100%, 81%
HSV	288°, 38%, 100%
XYZ	64.6990, 49.1668, 100.6879
YIQ	191.7930, 15.6260, 47.2260

Conversions

Conversions Part 2

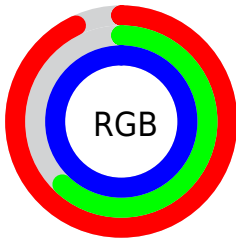
Format	Color
R _Y B	236, 157, 255
Decimal	15506943
CIE Lab	75.55, 45.20, -37.00
CIE LCh	76, 58.412, 320.700
Yxy	49.1668, 0.3016, 0.2292
Android (android.graphics.Color)	4293697023 (0xFFEC9DFF)
YUV	191.7930, 31.1611, 38.7695
Hunter-Lab	70.1190, 41.9941, -36.0545

Details

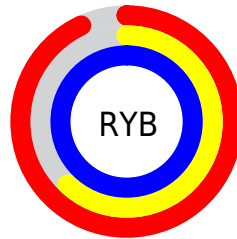
The RGB color **236, 157, 255** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **176, 255, 157**, and the grayscale version is **191, 191, 191**.

A 20% lighter version of the original color is **255, 213, 255**, and **179, 104, 198** is the 20% darker color. If you saturate the color by 10%, you get **231, 132, 255**, and if you desaturate by 10%, it is **241, 183, 255**.

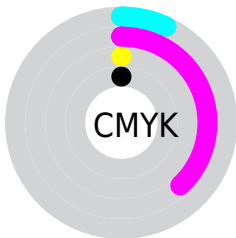
Distribution



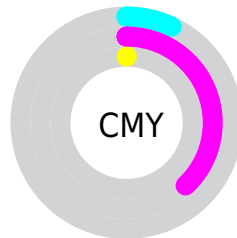
- Red (93%)
- Green (62%)
- Blue (100%)



- Red (93%)
- Yellow (62%)
- Blue (100%)



- Cyan (7%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)




- Cyan (7%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the RGB color 236, 157, 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 236, 157, 255 by changing the saturation by 10% instead.

 236, 157, 255

 236, 157, 255


255, 255, 255

 207, 130, 226

 255, 213, 255


 179, 104, 198

 255, 242, 255

 151, 78, 170

 124, 53, 144

 97, 26, 118

 71, 0, 93

 46, 0, 68

 22, 0, 46

 0, 1, 24

■ 236, 157, 255

■ 236, 157, 255

■ 231, 132, 255

■ 241, 183, 255

■ 226, 106, 255

■ 246, 208, 255

■ 221, 81, 255

■ 251, 234, 255

■ 216, 55, 255

255, 255, 255

■ 211, 29, 255

■ 206, 4, 255

■ 206, 0, 255

Harmonies

Analogous

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



161, 179, 255



236, 157, 255



255, 141, 205

Triad

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



236, 157, 255



231, 177, 76



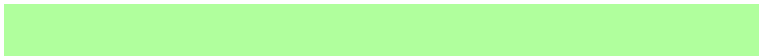
0, 213, 223

Complementary

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



236, 157, 255



176, 255, 157

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, 212, 167



236, 157, 255



180, 195, 80

Square

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



236, 157, 255



255, 157, 104



116, 206, 115



0, 208, 255

Rectangle

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



236, 157, 255



255, 139, 169



116, 206, 115



0, 213, 204

Sweetspot

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



236, 157, 255



249, 224, 255



157, 177, 255



124, 110, 128



0, 0, 0



128, 128, 128

Same Dimension

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



236, 157, 255



232, 138, 255



255, 157, 226



125, 115, 128



154, 0, 191



51, 0, 64

Inverse Universe

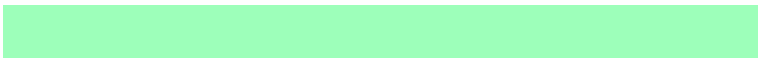
The Inverse Universe completely reimagines the original color for something new.



255, 157, 176



255, 138, 160



157, 255, 186



128, 115, 117



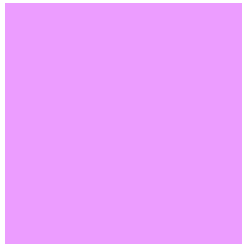
191, 0, 37



64, 0, 12

Previews

White Background



This preview shows how the RGB color 236, 157, 255 looks on a white background.

Color Contrast Check

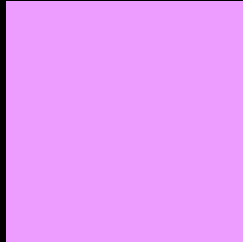
Large Text (above 18pt) WCAG AA × Fail

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 236, 157, 255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

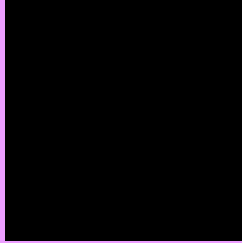
Any Text WCAG AA ✓ Pass

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 236, 157, 255 Background



This preview shows how black text looks on a background with the RGB color 236, 157, 255.



This preview shows how white text looks on a background with the RGB color 236, 157, 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
236, 157, 255

Protanopia
165, 184, 255

Deuteranopia
169, 184, 250



Tritanopia
226, 172, 185

Trichromacy



Original Color

236, 157, 255



Protanomaly

191, 174, 255



Deuteranomaly

193, 174, 252

Tritanomaly

230, 167, 210

Monochromacy



Original Color

236, 157, 255



Achromatopsia

192, 192, 192



Achromatomaly

208, 179, 215

CSS Examples

Text

The CSS property to change the color of the text to RGB 236, 157, 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(236, 157, 255) looks like.

```
.text, #text, p{  
    color:rgb(236, 157, 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(236, 157, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 157, 255) }
```

Border

The CSS property to change the border of an element to RGB 236, 157, 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(236, 157, 255) }
```

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

```
.border{ border-color:rgb(236, 157, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 157, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 157, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 157, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 157,  
255) }
```

Background

The CSS property to change the background color of an element to RGB 236, 157, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 157, 255) }
```

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

```
.background{ background-color: rgb(236,  
157, 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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