

Converting Colors

RGB(228, 241, 102)

Have a look what the booklet for
RGB(228, 241, 102) contains.

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Color

RGB(228, 241, 102)

Conversions

Conversions Part 1

Format	Color
Hex	E4F166
RGB	228, 241, 102
RGB Percent	89%, 95%, 40%
CMY	0.1059, 0.0549, 0.6000
CMYK	0.05, 0.00, 0.58, 0.05
HSL	66°, 83%, 67%
HSV	66°, 58%, 95%
XYZ	65.8485, 80.3639, 24.6116
YIQ	221.2670, 36.8710, -45.9850

Conversions

Conversions Part 2

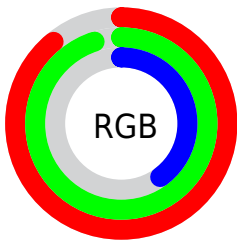
Format	Color
RYB	102, 241, 115
Decimal	15004006
CIELab	91.85, -22.44, 64.11
CIELCh	92, 67.927, 109.288
Yxy	80.3639, 0.3855, 0.4704
Android (android.graphics.Color)	4293194086 (0xFFE4F166)
YUV	221.2670, -58.7986, 5.9048
Hunter-Lab	89.6459, -25.7650, 46.4745

Details

The RGB color **228, 241, 102** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **115, 102, 241**, and the grayscale version is **222, 222, 222**.

A 20% lighter version of the original color is **255, 255, 157**, and **170, 185, 45** is the 20% darker color. If you saturate the color by 10%, you get **226, 241, 78**, and if you desaturate by 10%, it is **230, 241, 126**.

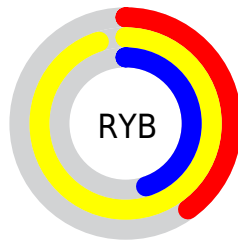
Distribution



Red (89%)

Green (95%)

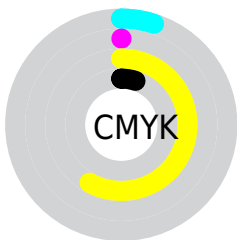
Blue (40%)



Red (40%)

Yellow (95%)

Blue (45%)

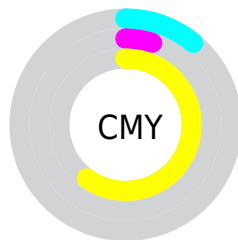


Cyan (5%)

Magenta (0%)

Yellow (58%)

Black (5%)



Cyan (11%)

Magenta (5%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the RGB color 228, 241, 102 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, 241, 102 by changing the saturation by 10% instead.

 228, 241, 102

 228, 241, 102

255, 255, 255

 199, 213, 74


 255, 255, 157

 170, 185, 45

 255, 255, 186

 141, 158, 3

 255, 255, 214

 114, 132, 0

 255, 255, 244

 87, 107, 0

 60, 83, 0

 33, 60, 0

 5, 38, 0

 0, 12, 0

■ 228, 241, 102

■ 228, 241, 102

■ 226, 241, 78

■ 230, 241, 126

■ 223, 241, 54

■ 233, 241, 150

■ 221, 241, 30

■ 235, 241, 174

■ 219, 241, 6

■ 237, 241, 198

■ 218, 241, 0

■ 239, 241, 222

■ 242, 241, 247

■ 244, 241, 255

■ 246, 241, 255

■ 248, 241, 255

Harmonies

Analogous

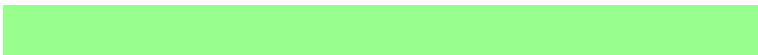
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



255, 220, 99



228, 241, 102



152, 255, 143

Triad

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



228, 241, 102



0, 255, 255



255, 178, 255

Complementary

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



228, 241, 102



115, 102, 241

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.



255, 198, 255



228, 241, 102



0, 245, 255

Square

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



228, 241, 102



0, 255, 255



196, 224, 255



255, 177, 192

Rectangle

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



228, 241, 102



74, 255, 183



196, 224, 255



255, 183, 255

Sweetspot

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



228, 241, 102



251, 255, 212



241, 114, 102



125, 128, 102



0, 0, 0



128, 128, 128

Same Dimension

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



228, 241, 102



239, 255, 79



160, 241, 102



119, 120, 108



166, 184, 0



51, 56, 0

Inverse Universe

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



115, 102, 241



96, 79, 255



183, 102, 241



109, 108, 120



17, 0, 184



5, 0, 56

Previews

White Background



This preview shows how the RGB color 228, 241, 102 looks on a white background.

Color Contrast Check

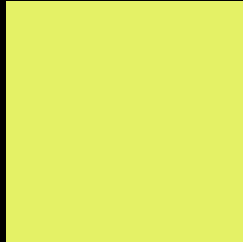
Large Text (above 18pt) WCAG AA × Fail

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 228, 241, 102 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 228, 241, 102 Background



This preview shows how black text looks on a background with the RGB color 228, 241, 102.



This preview shows how white text looks on a background with the RGB color 228, 241, 102.

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, 241, 102

Protanopia
255, 232, 119

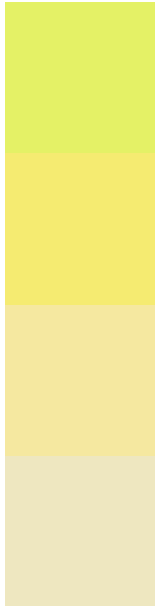
Deuteranopia
255, 227, 193



Tritanopia

243, 226, 244

Trichromacy



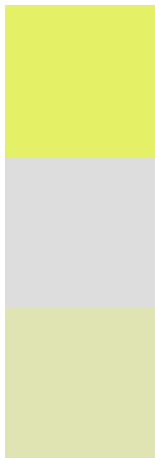
Original Color
228, 241, 102

Protanomaly
245, 235, 113

Deuteranomaly
245, 232, 160

Tritanomaly
238, 231, 192

Monochromacy



Original Color
228, 241, 102

Achromatopsia
221, 221, 221

Achromatomaly
224, 228, 178

CSS Examples

Text

The CSS property to change the color of the text to RGB 228, 241, 102 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, 241, 102)` looks like.

```
.text, #text, p{  
    color:rgb(228, 241, 102)  
}
```

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, 241, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 241, 102) }
```

Border

The CSS property to change the border of an element to RGB 228, 241, 102 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, 241, 102) }
```

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

```
.border{ border-color:rgb(228, 241, 102) }
```

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

Here you see how a box with a 4 pixel rgb(228, 241, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 241, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 241, 102);  
box-shadow:4px 4px 4px 4px rgb(228, 241,  
102) }
```

Background

The CSS property to change the background color of an element to RGB 228, 241, 102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 241, 102) }
```

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

```
.background{ background-color: rgb(228,  
241, 102) }
```

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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