

Converting Colors

RGB(102, 242, 133)

Have a look what the booklet for
RGB(102, 242, 133) contains.

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Color

RGB(102, 242, 133)

Conversions

Conversions Part 1

Format	Color
Hex	66F285
RGB	102, 242, 133
RGB Percent	40%, 95%, 52%
CMY	0.6000, 0.0510, 0.4784
CMYK	0.58, 0.00, 0.45, 0.05
HSL	133°, 84%, 67%
HSV	133°, 58%, 95%
XYZ	41.4653, 68.0225, 33.1345
YIQ	187.7140, -48.4510, -63.5790

Conversions

Conversions Part 2

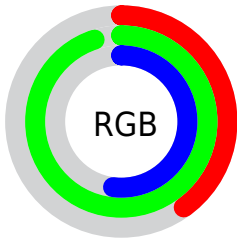
Format	Color
RYB	102, 217, 242
Decimal	6746757
CIELab	86.02, -60.52, 41.37
CIElCh	86, 73.304, 145.645
Yxy	68.0225, 0.2907, 0.4769
Android (android.graphics.Color)	4284936837 (0xFF66F285)
YUV	187.7140, -26.9740, -75.1712
Hunter-Lab	82.4758, -54.5904, 33.9134

Details

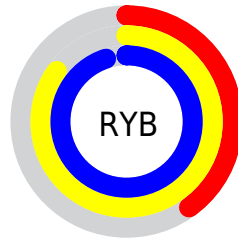
The RGB color **102, 242, 133** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **242, 102, 211**, and the grayscale version is **188, 188, 188**.

A 20% lighter version of the original color is **163, 255, 187**, and **23, 185, 81** is the 20% darker color. If you saturate the color by 10%, you get **78, 242, 114**, and if you desaturate by 10%, it is **126, 242, 152**.

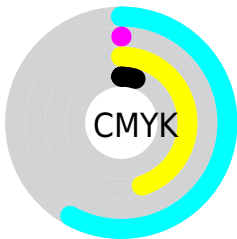
Distribution



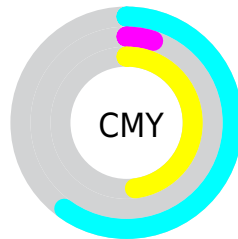
- Red (40%)
- Green (95%)
- Blue (52%)



- Red (40%)
- Yellow (85%)
- Blue (95%)



- Cyan (58%)
- Magenta (0%)
- Yellow (45%)
- Black (5%)



- Cyan (60%)
- Magenta (5%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the RGB color 102, 242, 133 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 102, 242, 133 by changing the saturation by 10% instead.

 102, 242, 133

255, 255, 255

 163, 255, 187

 193, 255, 216


 224, 255, 245


254, 255, 255

 102, 242, 133

 69, 213, 107

 23, 185, 81

 0, 157, 56

 0, 130, 30

 0, 104, 0

 0, 78, 0

 0, 54, 0

 0, 29, 0

 0, 0, 0

■ 102, 242, 133

■ 102, 242, 133

■ 78, 242, 114

■ 126, 242, 152

■ 54, 242, 95

■ 150, 242, 171

■ 29, 242, 76

■ 175, 242, 190

■ 5, 242, 58

■ 199, 242, 208

■ 0, 242, 54

■ 223, 242, 227

■ 247, 242, 246

■ 255, 242, 255

Harmonies

Analogous

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



194, 229, 80



102, 242, 133



0, 248, 202

Triad

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



102, 242, 133



0, 226, 255



255, 157, 159

Complementary

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



102, 242, 133



242, 102, 211

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, 152, 228



102, 242, 133



200, 201, 255

Square

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



102, 242, 133



0, 242, 255



255, 172, 255



255, 181, 101

Rectangle

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



102, 242, 133



0, 249, 250



255, 172, 255



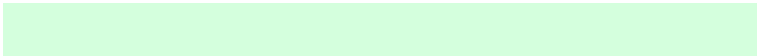
255, 153, 182

Sweetspot

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



102, 242, 133



212, 255, 221



212, 242, 102



102, 128, 108



0, 0, 0



128, 128, 128

Same Dimension

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



102, 242, 133



79, 255, 118



102, 242, 202



108, 120, 111



0, 184, 41



0, 56, 12

Inverse Universe

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



242, 102, 211



255, 79, 216



242, 102, 142



120, 108, 117



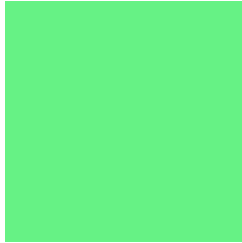
184, 0, 143



56, 0, 44

Previews

White Background



This preview shows how the RGB color 102, 242, 133 looks on a white background.

Color Contrast Check

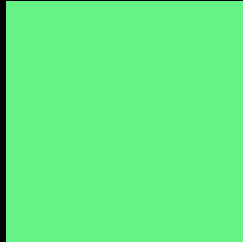
Large Text (above 18pt) WCAG AA × Fail

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 102, 242, 133 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 102, 242, 133 Background



This preview shows how black text looks on a background with the RGB color 102, 242, 133.

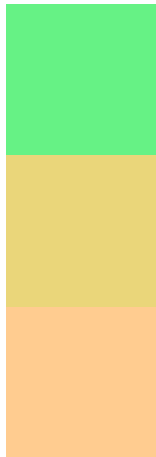


This preview shows how white text looks on a background with the RGB color 102, 242, 133.

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
102, 242, 133

Protanopia
234, 214, 122

Deuteranopia
255, 204, 144



Tritanopia
132, 229, 247

Trichromacy



Original Color

102, 242, 133



Protanomaly

186, 224, 126



Deuteranomaly

199, 218, 140



Tritanomaly

121, 234, 206

Monochromacy



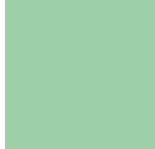
Original Color

102, 242, 133



Achromatopsia

188, 188, 188



Achromatomaly

157, 208, 168

CSS Examples

Text

The CSS property to change the color of the text to RGB 102, 242, 133 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(102, 242, 133)` looks like.

```
.text, #text, p{  
    color:rgb(102, 242, 133)  
}
```

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(102, 242, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 242, 133) }
```

Border

The CSS property to change the border of an element to RGB 102, 242, 133 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(102, 242, 133) }
```

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

```
.border{ border-color:rgb(102, 242, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 242, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 242, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 242, 133);  
box-shadow:4px 4px 4px 4px rgb(102, 242,  
133) }
```

Background

The CSS property to change the background color of an element to RGB 102, 242, 133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 242, 133) }
```

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

```
.background{ background-color: rgb(102,  
242, 133) }
```

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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