

Converting Colors

RGB(175, 227, 107)

Have a look what the booklet for
RGB(175, 227, 107) contains.

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Color

RGB(175, 227, 107)

Conversions

Conversions Part 1

Format	Color
Hex	AFE36B
RGB	175, 227, 107
RGB Percent	69%, 89%, 42%
CMY	0.3137, 0.1098, 0.5804
CMYK	0.23, 0.00, 0.53, 0.11
HSL	86°, 68%, 65%
HSV	86°, 53%, 89%
XYZ	47.8021, 65.1137, 23.9587
YIQ	197.7720, 7.5280, -48.3440

Conversions

Conversions Part 2

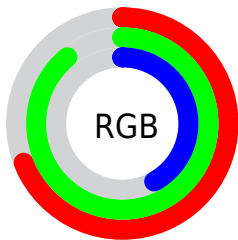
Format	Color
RYB	107, 227, 159
Decimal	11527019
CIELab	84.54, -35.75, 52.61
CIElCh	85, 63.602, 124.198
Yxy	65.1137, 0.3492, 0.4757
Android (android.graphics.Color)	4289717099 (0xFFAFE36B)
YUV	197.7720, -44.7506, -19.9710
Hunter-Lab	80.6930, -35.4704, 38.8813

Details

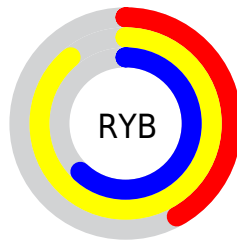
The RGB color **175, 227, 107** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **159, 107, 227**, and the grayscale version is **198, 198, 198**.

A 20% lighter version of the original color is **233, 255, 161**, and **119, 171, 54** is the 20% darker color. If you saturate the color by 10%, you get **165, 227, 84**, and if you desaturate by 10%, it is **185, 227, 130**.

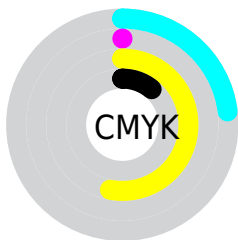
Distribution



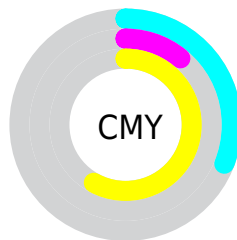
- Red (69%)
- Green (89%)
- Blue (42%)



- Red (42%)
- Yellow (89%)
- Blue (62%)



- Cyan (23%)
- Magenta (0%)
- Yellow (53%)
- Black (11%)



- Cyan (31%)
- Magenta (11%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the RGB color 175, 227, 107 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 175, 227, 107 by changing the saturation by 10% instead.

 175, 227, 107

255, 255, 255

 233, 255, 161

 255, 255, 189


 255, 255, 218

 255, 255, 247

 175, 227, 107

 147, 199, 81

 119, 171, 54

 92, 145, 25

 65, 119, 0

 38, 94, 0

 2, 69, 0

 0, 46, 0

 0, 25, 0


 0, 0, 0

 175, 227, 107


 175, 227, 107

 165, 227, 84


 185, 227, 130

 155, 227, 62

 195, 227, 152

 145, 227, 39

 205, 227, 175

 136, 227, 16

 214, 227, 198

 129, 227, 0

 224, 227, 220

 234, 227, 243

 244, 227, 255

 254, 227, 255

 255, 227, 255

Harmonies

Analogous

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



237, 211, 85



175, 227, 107



89, 237, 156

Triad

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



175, 227, 107



0, 231, 255



255, 159, 205

Complementary

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



175, 227, 107



159, 107, 227

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, 169, 255



175, 227, 107



114, 215, 255

Square

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



175, 227, 107



0, 239, 255



226, 192, 255



255, 168, 147

Rectangle

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



175, 227, 107



0, 240, 197



226, 192, 255



255, 160, 225

Sweetspot

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



175, 227, 107



237, 255, 214



227, 159, 107



117, 128, 103



0, 0, 0



128, 128, 128

Same Dimension

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



175, 227, 107



185, 255, 94



117, 227, 107



110, 115, 103



101, 179, 0



29, 51, 0

Inverse Universe

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



159, 107, 227



164, 94, 255



219, 107, 227



108, 103, 115



77, 0, 179



22, 0, 51

Previews

White Background



This preview shows how the RGB color 175, 227, 107 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 175, 227, 107 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 175, 227, 107 Background



This preview shows how black text looks on a background with the RGB color 175, 227, 107.



This preview shows how white text looks on a background with the RGB color 175, 227, 107.

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
175, 227, 107

Protanopia
233, 211, 102

Deuteranopia
255, 201, 122



Tritanopia
192, 214, 231

Trichromacy



Original Color

175, 227, 107



Protanomaly

212, 217, 104



Deuteranomaly

226, 210, 117



Tritanomaly

186, 219, 186

Monochromacy



Original Color

175, 227, 107



Achromatopsia

198, 198, 198



Achromatomaly

190, 209, 165

CSS Examples

Text

The CSS property to change the color of the text to RGB 175, 227, 107 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(175, 227, 107)` looks like.

```
.text, #text, p{  
    color:rgb(175, 227, 107)  
}
```

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(175, 227, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 227, 107) }
```

Border

The CSS property to change the border of an element to RGB 175, 227, 107 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(175, 227, 107) }
```

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

```
.border{ border-color:rgb(175, 227, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 227, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 227, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 227, 107);  
box-shadow:4px 4px 4px 4px rgb(175, 227,  
107) }
```

Background

The CSS property to change the background color of an element to RGB 175, 227, 107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 227, 107) }
```

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

```
.background{ background-color: rgb(175,  
227, 107) }
```

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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