

Converting Colors

RGB(166, 238, 112)

Have a look what the booklet for
RGB(166, 238, 112) contains.

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Color

RGB(166, 238, 112)

Conversions

Conversions Part 1

Format	Color
Hex	A6EE70
RGB	166, 238, 112
RGB Percent	65%, 93%, 44%
CMY	0.3490, 0.0667, 0.5608
CMYK	0.30, 0.00, 0.53, 0.07
HSL	94°, 79%, 69%
HSV	94°, 53%, 93%
XYZ	49.2251, 70.4259, 26.3284
YIQ	202.1080, -2.4660, -54.4500

Conversions

Conversions Part 2

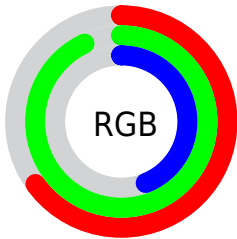
Format	Color
RYB	112, 238, 184
Decimal	10940016
CIELab	87.21, -43.32, 53.34
CIELCh	87, 68.715, 129.081
Yxy	70.4259, 0.3372, 0.4824
Android (android.graphics.Color)	4289130096 (0xFFA6EE70)
YUV	202.1080, -44.4232, -31.6667
Hunter-Lab	83.9201, -42.1575, 40.1430

Details

The RGB color **166, 238, 112** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **184, 112, 238**, and the grayscale version is **203, 203, 203**.

A 20% lighter version of the original color is **224, 255, 167**, and **110, 182, 59** is the 20% darker color. If you saturate the color by 10%, you get **152, 238, 88**, and if you desaturate by 10%, it is **180, 238, 136**.

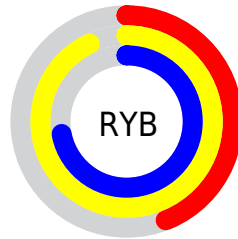
Distribution



Red (65%)

Green (93%)

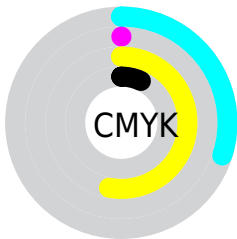
Blue (44%)



Red (44%)

Yellow (93%)

Blue (72%)

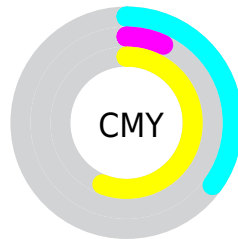


Cyan (30%)

Magenta (0%)

Yellow (53%)

Black (7%)



Cyan (35%)

Magenta (7%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RGB color 166, 238, 112 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 166, 238, 112 by changing the saturation by 10% instead.

 166, 238, 112

255, 255, 255

 224, 255, 167

 253, 255, 195


 255, 255, 223


 255, 255, 252

 166, 238, 112

 138, 209, 85

 110, 182, 59

 82, 154, 30

 53, 128, 0

 19, 102, 0

 0, 78, 0

 0, 54, 0

 0, 33, 0

 0, 0, 0

■ 166, 238, 112

■ 166, 238, 112

■ 152, 238, 88

■ 180, 238, 136

■ 139, 238, 64

■ 193, 238, 160

■ 125, 238, 41

■ 207, 238, 183

■ 112, 238, 17

■ 220, 238, 207

■ 102, 238, 0

■ 234, 238, 231

■ 248, 238, 255

■ 255, 238, 255

Harmonies

Analogous

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



236, 221, 81



166, 238, 112



50, 248, 169

Triad

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



166, 238, 112



0, 238, 255



255, 161, 201

Complementary

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



166, 238, 112



184, 112, 238

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



166, 238, 112



135, 219, 255

Square

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



166, 238, 112



0, 248, 255



249, 193, 255



255, 174, 139

Rectangle

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



166, 238, 112



0, 250, 214



249, 193, 255



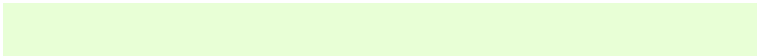
255, 161, 223

Sweetspot

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



166, 238, 112



232, 255, 214



238, 183, 112



114, 128, 103



0, 0, 0



128, 128, 128

Same Dimension

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



166, 238, 112



162, 255, 92



112, 238, 120



113, 120, 108



79, 184, 0



24, 56, 0

Inverse Universe

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



184, 112, 238



185, 92, 255



238, 112, 230



115, 108, 120



105, 0, 184



32, 0, 56

Previews

White Background



This preview shows how the RGB color 166, 238, 112 looks on a white background.

Color Contrast Check

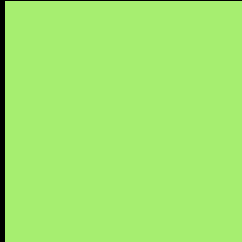
Large Text (above 18pt) WCAG AA × Fail

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 166, 238, 112 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

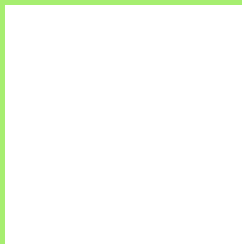
Any Text WCAG AAA ✓ Pass

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

RGB 166, 238, 112 Background



This preview shows how black text looks on a background with the RGB color 166, 238, 112.

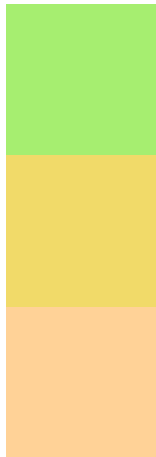


This preview shows how white text looks on a background with the RGB color 166, 238, 112.

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
166, 238, 112

Protanopia
241, 218, 105

Deuteranopia
255, 210, 151



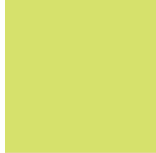
Tritanopia
186, 224, 242

Trichromacy



Original Color

166, 238, 112



Protanomaly

214, 225, 108



Deuteranomaly

223, 220, 137



Tritanomaly

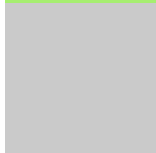
179, 229, 195

Monochromacy



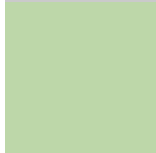
Original Color

166, 238, 112



Achromatopsia

202, 202, 202



Achromatomaly

189, 215, 169

CSS Examples

Text

The CSS property to change the color of the text to RGB 166, 238, 112 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(166, 238, 112)` looks like.

```
.text, #text, p{  
    color:rgb(166, 238, 112)  
}
```

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(166, 238, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 238, 112) }
```

Border

The CSS property to change the border of an element to RGB 166, 238, 112 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(166, 238, 112) }
```

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

```
.border{ border-color:rgb(166, 238, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 238, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 238, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 238, 112);  
box-shadow:4px 4px 4px 4px rgb(166, 238,  
112) }
```

Background

The CSS property to change the background color of an element to RGB 166, 238, 112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 238, 112) }
```

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

```
.background{ background-color: rgb(166,  
238, 112) }
```

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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