

Converting Colors

RGB(163, 236, 105)

Have a look what the booklet for
RGB(163, 236, 105) contains.

RGB(163, 236, 105)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

RGB(163, 236, 105)

Conversions

Conversions Part 1

Format	Color
Hex	A3EC69
RGB	163, 236, 105
RGB Percent	64%, 93%, 41%
CMY	0.3608, 0.0745, 0.5882
CMYK	0.31, 0.00, 0.56, 0.07
HSL	93°, 78%, 67%
HSV	93°, 56%, 93%
XYZ	47.6495, 68.7974, 24.1324
YIQ	199.2390, -1.4570, -56.2170

Conversions

Conversions Part 2

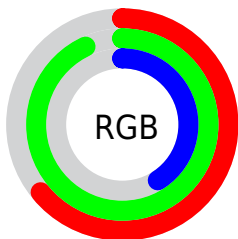
Format	Color
RYB	105, 236, 178
Decimal	10742889
CIELab	86.40, -44.19, 55.52
CIELCh	86, 70.964, 128.518
Yxy	68.7974, 0.3390, 0.4894
Android (android.graphics.Color)	4288932969 (0xFFA3EC69)
YUV	199.2390, -46.4598, -31.7816
Hunter-Lab	82.9442, -42.6082, 40.8106

Details

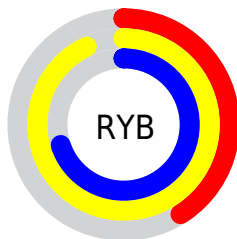
The RGB color **163, 236, 105** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **178, 105, 236**, and the grayscale version is **200, 200, 200**.

A 20% lighter version of the original color is **221, 255, 160**, and **107, 180, 51** is the 20% darker color. If you saturate the color by 10%, you get **150, 236, 81**, and if you desaturate by 10%, it is **176, 236, 129**.

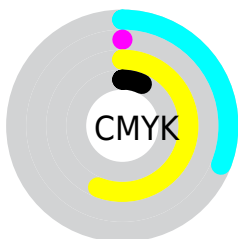
Distribution



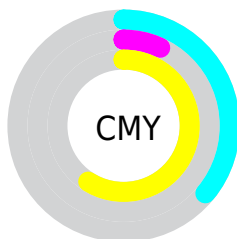
- Red (64%)
- Green (93%)
- Blue (41%)



- Red (41%)
- Yellow (93%)
- Blue (70%)



- Cyan (31%)
- Magenta (0%)
- Yellow (56%)
- Black (7%)



- Cyan (36%)
- Magenta (7%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the RGB color 163, 236, 105 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 163, 236, 105 by changing the saturation by 10% instead.

 163, 236, 105

255, 255, 255

 221, 255, 160

 251, 255, 188

 255, 255, 216


 255, 255, 245

 163, 236, 105

 135, 208, 78

 107, 180, 51

 79, 153, 19

 49, 126, 0

 12, 101, 0

 0, 76, 0


 0, 52, 0

 0, 30, 0

 0, 0, 0

 163, 236, 105

 163, 236, 105

 150, 236, 81

 176, 236, 129

 137, 236, 58

 189, 236, 152

 124, 236, 34

 202, 236, 176

 110, 236, 11

 216, 236, 199

 104, 236, 0

 229, 236, 223

 242, 236, 247

 255, 236, 255

Harmonies

Analogous

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



235, 219, 73



163, 236, 105



31, 246, 164

Triad

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



163, 236, 105



0, 237, 255



255, 155, 200

Complementary

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



163, 236, 105



178, 105, 236

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, 165, 255



163, 236, 105



123, 217, 255

Square

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



163, 236, 105



0, 247, 255



245, 190, 255



255, 170, 136

Rectangle

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



163, 236, 105



0, 249, 211



245, 190, 255



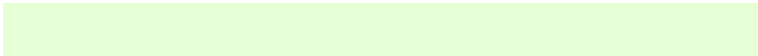
255, 156, 222

Sweetspot

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



163, 236, 105



231, 255, 212



236, 177, 105



113, 128, 102



0, 0, 0



128, 128, 128

Same Dimension

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



163, 236, 105



160, 255, 84



105, 236, 112



111, 117, 106



80, 181, 0



24, 54, 0

Inverse Universe

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



178, 105, 236



179, 84, 255



236, 105, 229



112, 106, 117



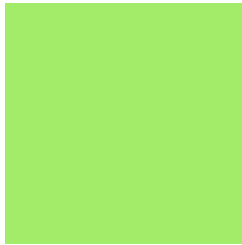
101, 0, 181



30, 0, 54

Previews

White Background



This preview shows how the RGB color 163, 236, 105 looks on a white background.

Color Contrast Check

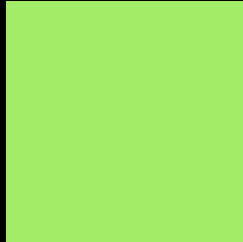
Large Text (above 18pt) WCAG AA × Fail

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 163, 236, 105 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 163, 236, 105 Background



This preview shows how black text looks on a background with the RGB color 163, 236, 105.

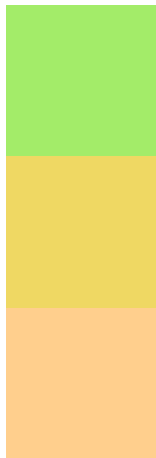


This preview shows how white text looks on a background with the RGB color 163, 236, 105.

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
163, 236, 105

Protanopia
239, 216, 99

Deuteranopia
255, 207, 141

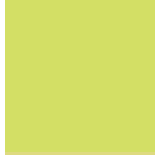


Tritanopia
183, 222, 240

Trichromacy



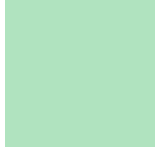
Original Color
163, 236, 105



Protanomaly
211, 223, 101



Deuteranomaly
222, 218, 128



Tritanomaly
176, 227, 191

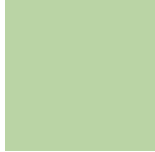
Monochromacy



Original Color
163, 236, 105



Achromatopsia
199, 199, 199



Achromatomaly
186, 212, 165

CSS Examples

Text

The CSS property to change the color of the text to RGB 163, 236, 105 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(163, 236, 105)` looks like.

```
.text, #text, p{  
    color:rgb(163, 236, 105)  
}
```

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(163, 236, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 236, 105) }
```

Border

The CSS property to change the border of an element to RGB 163, 236, 105 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(163, 236, 105) }
```

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

```
.border{ border-color:rgb(163, 236, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 236, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 236, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 236, 105);  
box-shadow:4px 4px 4px 4px rgb(163, 236,  
105) }
```

Background

The CSS property to change the background color of an element to RGB 163, 236, 105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 236, 105) }
```

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

```
.background{ background-color: rgb(163,  
236, 105) }
```

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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