

Converting Colors

`RYB(13, 235, 155)`

Have a look what the booklet for
RYB(13, 235, 155) contains.

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Color

R_YB(13, 235, 155)

Conversions

Conversions Part 1

Format	Color
Hex	5DEB0D
RGB	93, 235, 13
RGB Percent	36%, 92%, 5%
CMY	0.6353, 0.0784, 0.9490
CMYK	0.60, 0.00, 0.94, 0.08
HSL	98°, 90%, 49%
HSV	98°, 94%, 92%
XYZ	34.2952, 61.7729, 10.4966
YIQ	167.2340, -13.3700, -99.1460

Conversions

Conversions Part 2

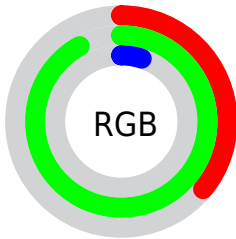
Format	Color
RYB	13, 235, 155
Decimal	6155021
CIELab	82.79, -69.87, 78.63
CIELCh	83, 105.185, 131.625
Yxy	61.7729, 0.3218, 0.5797
Android (android.graphics.Color)	4284345101 (0xFF5DEB0D)
YUV	167.2340, -76.0374, -65.1032
Hunter-Lab	78.5957, -59.6542, 47.0987

Details

The RYB color **13, 235, 155** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **155, 13, 235**, and the grayscale version is **168, 168, 168**.

A 20% lighter version of the original color is **92, 255, 189**, and **0, 178, 178** is the 20% darker color. If you saturate the color by 10%, you get **0, 235, 150**, and if you desaturate by 10%, it is **37, 235, 164**.

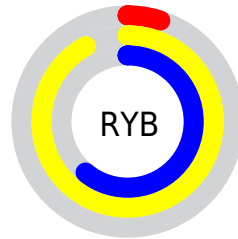
Distribution



Red (36%)

Green (92%)

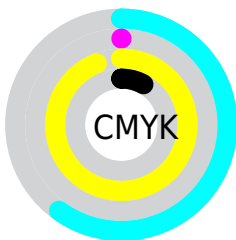
Blue (5%)



Red (5%)

Yellow (92%)

Blue (61%)

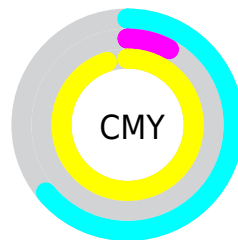


Cyan (60%)

Magenta (0%)

Yellow (94%)

Black (8%)



Cyan (64%)



















Magenta (8%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the RYB color 13, 235, 155 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 RYB color 13, 235, 155 by changing the saturation by 10% instead.

 13, 235, 155	 13, 235, 155
 255, 255, 255	 0, 206, 152
 92, 255, 189	 0, 178, 178
 122, 255, 188	 0, 150, 150
 151, 255, 185	 0, 123, 123
 180, 255, 183	 0, 97, 97
 210, 255, 210	 0, 71, 71
 240, 255, 240	 0, 47, 47
	 0, 17, 17
	 0, 0, 0

■ 13, 235, 155

■ 13, 235, 155

■ 0, 235, 150

■ 37, 235, 164

■ 60, 235, 172

■ 84, 235, 181

■ 107, 235, 189

■ 131, 235, 198

■ 154, 235, 206

■ 178, 235, 215

■ 201, 235, 223

■ 225, 235, 232

Harmonies

Analogous

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



0, 214, 1



13, 235, 155



0, 157, 246

Triad

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



13, 235, 155



0, 122, 255



255, 84, 172

Complementary

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



13, 235, 155



155, 13, 235

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, 103, 255



13, 235, 155



0, 114, 255

Square

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



13, 235, 155



0, 125, 255



255, 159, 255



255, 150, 77

Rectangle

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



13, 235, 155



0, 135, 249



255, 159, 255



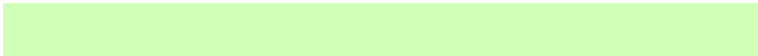
255, 81, 205

Sweetspot

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



13, 235, 155



184, 255, 230



141, 235, 13



84, 128, 112



0, 0, 0



128, 128, 128

Same Dimension

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



13, 235, 155



0, 255, 163



13, 209, 235



106, 117, 113



0, 181, 116



0, 54, 35

Inverse Universe

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



155, 13, 235



163, 0, 255



235, 13, 205



113, 106, 117



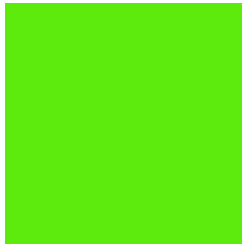
116, 0, 181



34, 0, 54

Previews

White Background



This preview shows how the RYB color 13, 235, 155 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 RYB color 13, 235, 155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

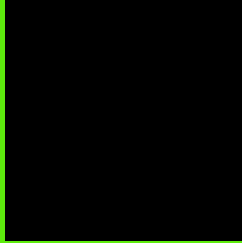
Any Text WCAG AA ✓ Pass

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](#).

RYB 13, 235, 155 Background



This preview shows how black text looks on a background with the RYB color 13, 235, 155.



This preview shows how white text looks on a background with the RYB color 13, 235, 155.

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
13, 235, 155

Deuteranopia
157, 255, 67

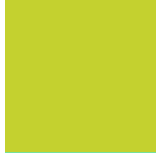
Tritanopia
131, 179, 236

Trichromacy



Original Color

13, 235, 155



Deuteranomaly

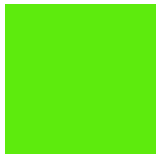
47, 209, 60



Tritanomaly

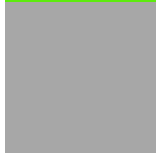
117, 196, 224

Monochromacy



Original Color

13, 235, 155



Achromatopsia

167, 167, 167



Achromatomaly

111, 192, 163

CSS Examples

Text

The CSS property to change the color of the text to RYB 13, 235, 155 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(93, 235, 13)` looks like.

```
.text, #text, p{  
    color:rgb(93, 235, 13)  
}
```

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(93, 235, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 235, 13) }
```

Border

The CSS property to change the border of an element to RYB 13, 235, 155 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(93, 235, 13) }
```

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

```
.border{ border-color:rgb(93, 235, 13) }
```

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

Here you see how a box with a 4 pixel rgb(93, 235, 13) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 235, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 235, 13);  
box-shadow:4px 4px 4px 4px rgb(93, 235,  
13) }
```

Background

The CSS property to change the background color of an element to RYB 13, 235, 155 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 235, 13) }
```

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

```
.background{ background-color: rgb(93, 235,  
13) }
```

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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