

Converting Colors

`RYB(13, 255, 205)`

Have a look what the booklet for
RYB(13, 255, 205) contains.

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Color

`RYB(13, 255, 205)`

Conversions

Conversions Part 1

Format	Color
Hex	3FFF0D
RGB	63, 255, 13
RGB Percent	25%, 100%, 5%
CMY	0.7529, 0.0000, 0.9490
CMYK	0.75, 0.00, 0.95, 0.00
HSL	108°, 100%, 53%
HSV	108°, 95%, 100%
XYZ	37.8825, 72.6058, 12.3985
YIQ	170.0040, -36.7500, -115.9660

Conversions

Conversions Part 2

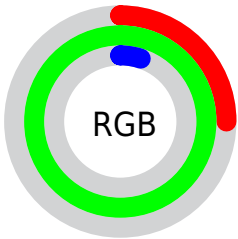
Format	Color
RYB	13, 255, 205
Decimal	4194061
CIELab	88.26, -81.43, 82.82
CIElCh	88, 116.146, 134.516
Yxy	72.6058, 0.3083, 0.5908
Android (android.graphics.Color)	4282384141 (0xFF3FFF0D)
YUV	170.0040, -77.4030, -93.8425
Hunter-Lab	85.2090, -69.7577, 51.0192

Details

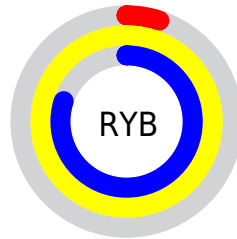
The RYB color **13, 255, 205** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **205, 13, 255**, and the grayscale version is **171, 171, 171**.

A 20% lighter version of the original color is **95, 255, 209**, and **0, 197, 197** is the 20% darker color. If you saturate the color by 10%, you get **0, 255, 202**, and if you desaturate by 10%, it is **39, 255, 211**.

Distribution



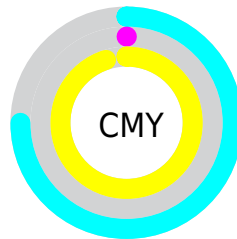
- Red (25%)
- Green (100%)
- Blue (5%)



- Red (5%)
- Yellow (100%)
- Blue (80%)



- Cyan (75%)
- Magenta (0%)
- Yellow (95%)
- Black (0%)





















- Cyan (75%)
- Magenta (0%)
- Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the RYB color 13, 255, 205 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, 255, 205 by changing the saturation by 10% instead.

 13, 255, 205	 13, 255, 205
 255, 255, 255	 0, 225, 225
 95, 255, 209	 0, 197, 197
 126, 255, 207	 0, 168, 168
 156, 255, 204	 0, 140, 140
 186, 255, 202	 0, 113, 113
 215, 255, 215	 0, 87, 87
 246, 255, 246	 0, 62, 62
	 0, 35, 35
	 0, 0, 0

■ 13, 255, 205

■ 13, 255, 205

■ 0, 255, 202

■ 39, 255, 211

■ 64, 255, 216

■ 90, 255, 221

■ 115, 255, 226

■ 141, 255, 232

■ 166, 255, 237

■ 192, 255, 242

■ 217, 255, 247

■ 243, 255, 253

Harmonies

Analogous

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



0, 233, 16



13, 255, 205



0, 157, 255

Triad

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



13, 255, 205



0, 126, 255



255, 77, 173

Complementary

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



13, 255, 205



205, 13, 255

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, 94, 255



13, 255, 205



0, 117, 255

Square

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



13, 255, 205



0, 128, 255



255, 162, 255



255, 186, 65

Rectangle

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



13, 255, 205



0, 132, 255



255, 162, 255



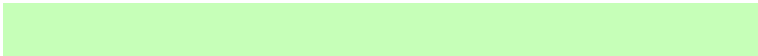
255, 69, 210

Sweetspot

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



13, 255, 205



184, 255, 241



79, 255, 13



84, 128, 119



0, 0, 0



128, 128, 128

Same Dimension

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



13, 255, 205



0, 255, 202



13, 201, 255



115, 128, 126



0, 191, 151



0, 64, 51

Inverse Universe

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



205, 13, 255



202, 0, 255



255, 13, 186



125, 115, 128



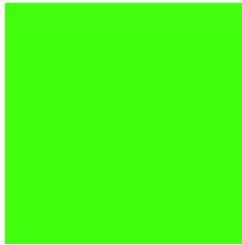
152, 0, 191



51, 0, 64

Previews

White Background



This preview shows how the RYB color 13, 255, 205 looks on a white background.

Color Contrast Check

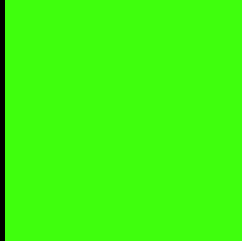
Large Text (above 18pt) WCAG AA × Fail

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, 255, 205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

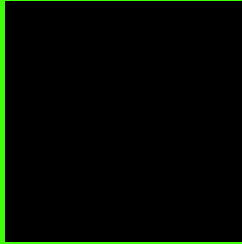
Any Text WCAG AA ✓ Pass

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, 255, 205 Background



This preview shows how black text looks on a background with the RYB color 13, 255, 205.



This preview shows how white text looks on a background with the RYB color 13, 255, 205.

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

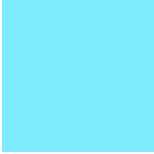
13, 255, 205

Protanopia

30, 247, 0

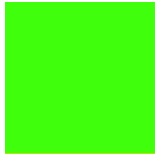
Deuteranopia

219, 255, 149



Tritanopia
126, 185, 255

Trichromacy



Original Color

13, 255, 205



Protanomaly

5, 233, 58



Deuteranomaly

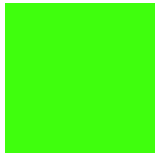
100, 228, 143



Tritanomaly

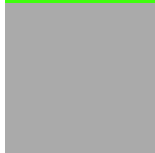
103, 199, 243

Monochromacy



Original Color

13, 255, 205



Achromatopsia

170, 170, 170



Achromatomaly

113, 201, 183

CSS Examples

Text

The CSS property to change the color of the text to RYB 13, 255, 205 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(63, 255, 13)` looks like.

```
.text, #text, p{  
    color:rgb(63, 255, 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(63, 255, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 255, 13) }
```

Border

The CSS property to change the border of an element to RYB 13, 255, 205 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(63, 255, 13) }
```

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

```
.border{ border-color:rgb(63, 255, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 255, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 255, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 255, 13);  
box-shadow:4px 4px 4px 4px rgb(63, 255,  
13) }
```

Background

The CSS property to change the background color of an element to RYB 13, 255, 205 is called "background".

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

```
.background, #background, body{  
background: rgb(63, 255, 13) }
```

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

```
.background{ background-color: rgb(63, 255,  
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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