

Converting Colors

`RYB(69, 255, 205)`

Have a look what the booklet for
RYB(69, 255, 205) contains.

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Color

RYB(69, 255, 205)

Conversions

Conversions Part 1

Format	Color
Hex	77FF45
RGB	119, 255, 69
RGB Percent	47%, 100%, 27%
CMY	0.5333, 0.0000, 0.7294
CMYK	0.53, 0.00, 0.73, 0.00
HSL	104°, 100%, 64%
HSV	104°, 73%, 100%
XYZ	44.4419, 75.8716, 17.9326
YIQ	193.1320, -21.3500, -86.6780

Conversions

Conversions Part 2

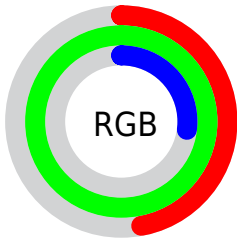
Format	Color
RYB	69, 255, 205
Decimal	7864133
CIELab	89.80, -67.95, 72.78
CIELCh	90, 99.575, 133.034
Yxy	75.8716, 0.3215, 0.5488
Android (android.graphics.Color)	4286054213 (0xFF77FF45)
YUV	193.1320, -61.1971, -65.0138
Hunter-Lab	87.1043, -61.3592, 48.7667

Details

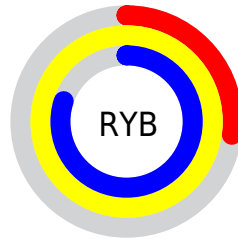
The RYB color **69, 255, 205** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **205, 69, 255**, and the grayscale version is **194, 194, 194**.

A 20% lighter version of the original color is **128, 255, 201**, and **0, 197, 151** is the 20% darker color. If you saturate the color by 10%, you get **43, 255, 198**, and if you desaturate by 10%, it is **94, 255, 211**.

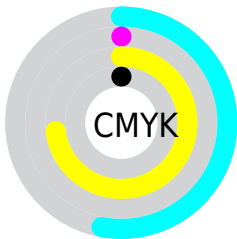
Distribution



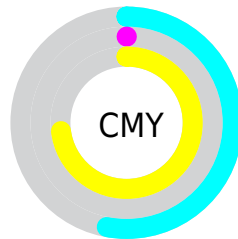
- Red (47%)
- Green (100%)
- Blue (27%)



- Red (27%)
- Yellow (100%)
- Blue (80%)



- Cyan (53%)
- Magenta (0%)
- Yellow (73%)
- Black (0%)




















- Cyan (53%)
- Magenta (0%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the RYB color 69, 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 69, 255, 205 by changing the saturation by 10% instead.

 69, 255, 205	 69, 255, 205
 255, 255, 255	 34, 226, 174
 128, 255, 201	 0, 197, 151
 157, 255, 200	 0, 169, 169
 186, 255, 198	 0, 142, 142
 215, 255, 215	 0, 115, 115
 245, 255, 245	 0, 89, 89
	 0, 64, 64
	 0, 39, 39
	 0, 0, 0

■ 69, 255, 205

■ 69, 255, 205

■ 43, 255, 198

■ 94, 255, 211

■ 18, 255, 191

■ 120, 255, 219

■ 0, 255, 186

■ 146, 255, 226

■ 171, 255, 232

■ 196, 255, 239

■ 222, 255, 246

■ 247, 255, 252

255, 255, 255

Harmonies

Analogous

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



0, 234, 3



69, 255, 205



0, 154, 255

Triad

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



69, 255, 205



0, 127, 255



255, 124, 188

Complementary

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



69, 255, 205



205, 69, 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, 135, 255



69, 255, 205



65, 151, 255

Square

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



69, 255, 205



0, 128, 255



255, 180, 255



255, 194, 99

Rectangle

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



69, 255, 205



0, 133, 255



255, 180, 255



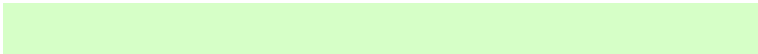
255, 121, 220

Sweetspot

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



69, 255, 205



199, 255, 240



143, 255, 69



94, 128, 119



0, 0, 0



128, 128, 128

Same Dimension

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



69, 255, 205



31, 255, 195



69, 222, 255



115, 128, 125



0, 191, 140



0, 64, 47

Inverse Universe

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



205, 69, 255



195, 31, 255



255, 69, 215



124, 115, 128



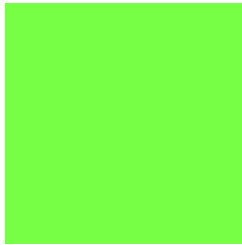
140, 0, 191



47, 0, 64

Previews

White Background



This preview shows how the RYB color 69, 255, 205 looks on a white background.

Color Contrast Check

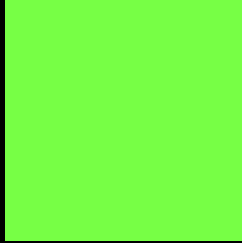
Large Text (above 18pt) WCAG AA × Fail

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 69, 255, 205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

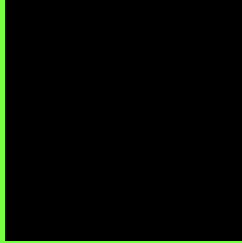
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

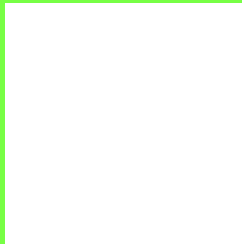
Any Text WCAG AAA ✓ Pass

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

RYB 69, 255, 205 Background



This preview shows how black text looks on a background with the RYB color 69, 255, 205.

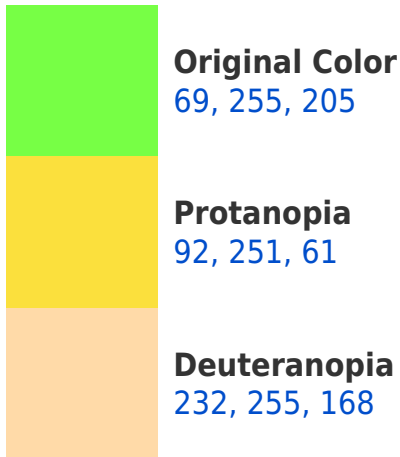


This preview shows how white text looks on a background with the RYB color 69, 255, 205.

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





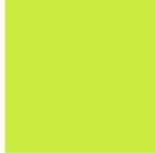
Tritanopia
160, 203, 255

Trichromacy



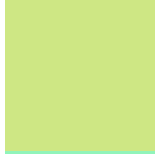
Original Color

69, 255, 205



Protanomaly

64, 235, 96



Deuteranomaly

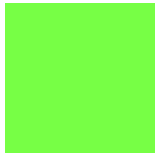
132, 231, 157



Tritanomaly

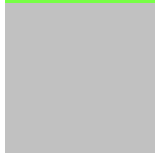
145, 215, 244

Monochromacy



Original Color

69, 255, 205



Achromatopsia

193, 193, 193



Achromatomaly

148, 216, 198

CSS Examples

Text

The CSS property to change the color of the text to RYB 69, 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(119, 255, 69)` looks like.

```
.text, #text, p{  
    color:rgb(119, 255, 69)  
}
```

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(119, 255, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 255, 69) }
```

Border

The CSS property to change the border of an element to RYB 69, 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(119, 255, 69) }
```

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

```
.border{ border-color:rgb(119, 255, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 255, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 255, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 255, 69);  
box-shadow:4px 4px 4px 4px rgb(119, 255,  
69) }
```

Background

The CSS property to change the background color of an element to RGB 119, 255, 69 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 255, 69) }
```

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

```
.background{ background-color: rgb(119,  
255, 69) }
```

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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