

Converting Colors

RGB(100, 228, 74)

Have a look what the booklet for
RGB(100, 228, 74) contains.

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Color

RGB(100, 228, 74)

Conversions

Conversions Part 1

Format	Color
Hex	64E44A
RGB	100, 228, 74
RGB Percent	39%, 89%, 29%
CMY	0.6078, 0.1059, 0.7098
CMYK	0.56, 0.00, 0.68, 0.11
HSL	110°, 74%, 59%
HSV	110°, 68%, 89%
XYZ	34.2350, 58.6905, 16.0026
YIQ	172.1720, -26.8540, -75.0300

Conversions

Conversions Part 2

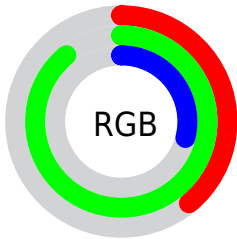
Format	Color
RYB	74, 228, 202
Decimal	6612042
CIELab	81.12, -62.87, 61.90
CIElCh	81, 88.235, 135.445
Yxy	58.6905, 0.3143, 0.5388
Android (android.graphics.Color)	4284802122 (0xFF64E44A)
YUV	172.1720, -48.3988, -63.2948
Hunter-Lab	76.6098, -54.2999, 41.2421

Details

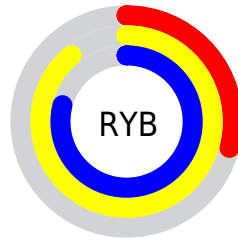
The RGB color **100, 228, 74** is a dark color, and the websafe version is hex **33CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **202, 74, 228**, and the grayscale version is **173, 173, 173**.

A 20% lighter version of the original color is **161, 255, 130**, and **19, 171, 0** is the 20% darker color. If you saturate the color by 10%, you get **81, 228, 51**, and if you desaturate by 10%, it is **119, 228, 97**.

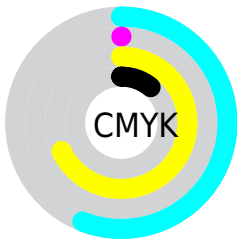
Distribution



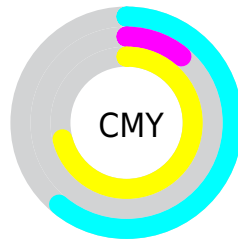
- Red (39%)
- Green (89%)
- Blue (29%)



- Red (29%)
- Yellow (89%)
- Blue (79%)



- Cyan (56%)
- Magenta (0%)
- Yellow (68%)
- Black (11%)




















- Cyan (61%)
- Magenta (11%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the RGB color 100, 228, 74 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 100, 228, 74 by changing the saturation by 10% instead.

 100, 228, 74	 100, 228, 74
 255, 255, 255	 66, 199, 44
 161, 255, 130	 19, 171, 0
 192, 255, 157	 0, 144, 0
 222, 255, 186	 0, 117, 0
 253, 255, 215	 0, 91, 0
 255, 255, 244	 0, 66, 0
	 0, 43, 0
	 0, 8, 0
	 0, 0, 0

 100, 228, 74


 100, 228, 74

 81, 228, 51

 119, 228, 97

 62, 228, 28

 138, 228, 120

 43, 228, 6

 157, 228, 142

 38, 228, 0

 176, 228, 165

 195, 228, 188

 214, 228, 211

 233, 228, 234

 252, 228, 255

 255, 228, 255

Harmonies

Analogous

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



200, 211, 0



100, 228, 74



0, 237, 157

Triad

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



100, 228, 74



0, 222, 255



255, 117, 162

Complementary

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



100, 228, 74



202, 74, 228

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, 122, 245



100, 228, 74



103, 196, 255

Square

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



100, 228, 74



0, 236, 255



255, 159, 255



255, 147, 85

Rectangle

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



100, 228, 74



0, 239, 215



255, 159, 255



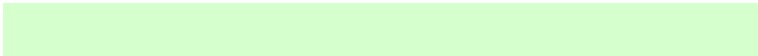
255, 113, 190

Sweetspot

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



100, 228, 74



213, 255, 204



228, 200, 74



102, 128, 97



0, 0, 0



128, 128, 128

Same Dimension

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



100, 228, 74



83, 255, 48



74, 228, 123



105, 115, 103



30, 179, 0



9, 51, 0

Inverse Universe

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



202, 74, 228



220, 48, 255



228, 74, 179



113, 103, 115



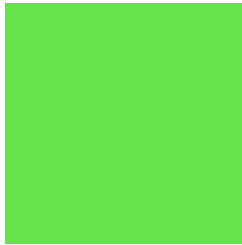
148, 0, 179



42, 0, 51

Previews

White Background



This preview shows how the RGB color 100, 228, 74 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 100, 228, 74 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

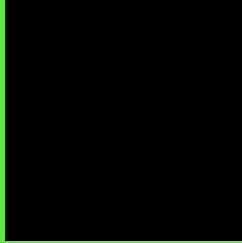
Any Text WCAG AA ✓ Pass

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 100, 228, 74 Background



This preview shows how black text looks on a background with the RGB color 100, 228, 74.

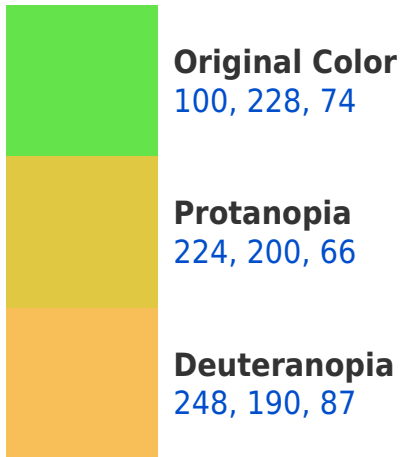


This preview shows how white text looks on a background with the RGB color 100, 228, 74.

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
132, 213, 230

Trichromacy



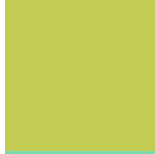
Original Color

100, 228, 74



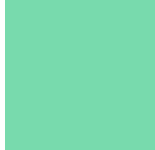
Protanomaly

179, 210, 69



Deuteranomaly

194, 204, 82



Tritanomaly

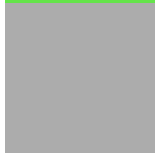
120, 218, 173

Monochromacy



Original Color

100, 228, 74



Achromatopsia

172, 172, 172



Achromatomaly

146, 192, 136

CSS Examples

Text

The CSS property to change the color of the text to RGB 100, 228, 74 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(100, 228, 74)` looks like.

```
.text, #text, p{  
    color:rgb(100, 228, 74)  
}
```

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(100, 228, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 228, 74) }
```

Border

The CSS property to change the border of an element to RGB 100, 228, 74 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(100, 228, 74) }
```

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

```
.border{ border-color:rgb(100, 228, 74) }
```

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

Here you see how a box with a 4 pixel rgb(100, 228, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 228, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 228, 74);  
box-shadow:4px 4px 4px 4px rgb(100, 228,  
74) }
```

Background

The CSS property to change the background color of an element to RGB 100, 228, 74 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 228, 74) }
```

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

```
.background{ background-color: rgb(100,  
228, 74) }
```

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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