Converting Colors

RGB(100, 228, 74)

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

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

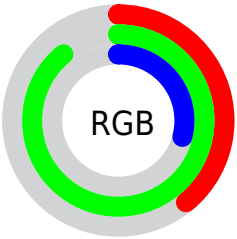
Format	Color
RYB	74, 228, 202
Decimal	6612042
CIELab	81.12, -62.87, 61.90
CIELCh	81, 88.235, 135.445
Yxy	58.6905, 0.3143, 0.5388
Android (android.graphics.Color)	4284802122 (0xFF64E44A)
YUV	172.1720, -48.3988, -63.2948
Hunter-Lab	76.6098, -54.2999, 41.2421

Details

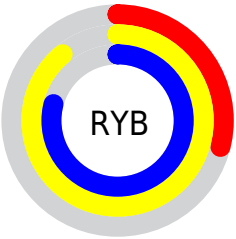
The RGB color 100, 228, 74 is a dark color, and the websafe version is hex 33CC33. The color can be described as middle muted chartreuse. A complement of this color would be 202, 74, 228, and the grayscale version is 173, 173, 173.

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.

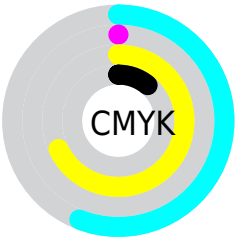
Distribution



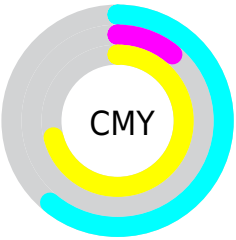
- Red (39%)
- Green (89%)
- Blue (29%)



- 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

255, 255, 255

161, 255, 130

192, 255, 157

222, 255, 186

253, 255, 215

255, 255, 244

100, 228, 74

66, 199, 44

19, 171, 0

0, 144, 0

0, 117, 0

0, 91, 0

0, 66, 0

0, 43, 0

0, 8, 0

0, 0, 0

100, 228, 74

81, 228, 51

62, 228, 28

43, 228, 6

38, 228, 0

100, 228, 74

119, 228, 97

138, 228, 120

157, 228, 142

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

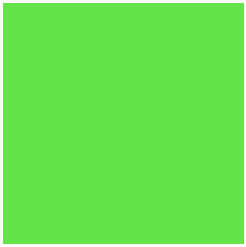
113, 103, 115

148, 0, 179

42, 0, 51

Previews

White Background

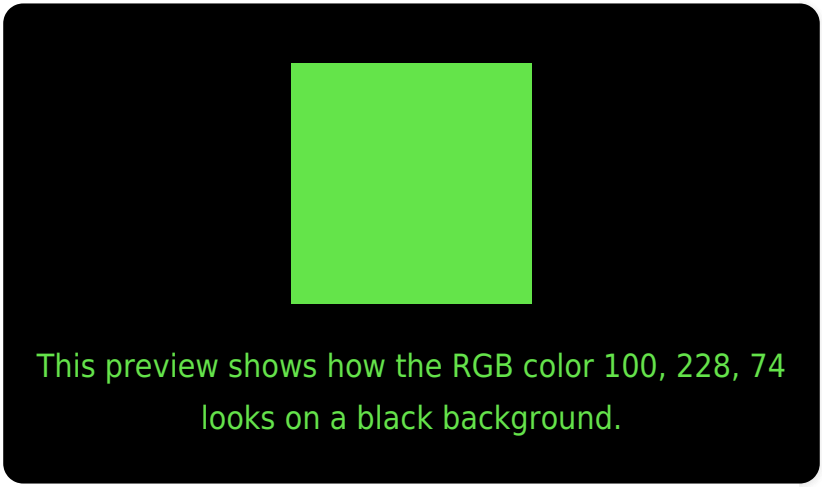


This preview shows how the RGB color 100, 228, 74 looks on a white background.

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



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

Original Color
100, 228, 74

Protanopia
224, 200, 66

Deuteranopia
248, 190, 87

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.

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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