

Converting Colors

$Y_{xy}(50.8089, 0.3157, 0.5432)$

Have a look what the booklet for
Yxy(50.8089, 0.3157, 0.5432)
contains.

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Color

Yxy(50.8019, 0.3154, 0.5429)

Conversions

Conversions Part 1

Format	Color
Hex	5DD641
RGB	93, 214, 65
RGB Percent	36%, 84%, 25%
CMY	0.6354, 0.1608, 0.7449
CMYK	0.57, 0.00, 0.70, 0.16
HSL	109°, 64%, 55%
HSV	109°, 70%, 84%
XYZ	29.5136, 50.8019, 13.2596
YIQ	160.8350, -24.2870, -71.9910

Conversions

Conversions Part 2

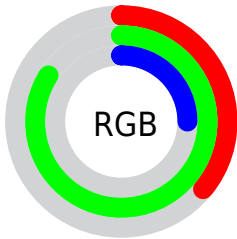
Format	Color
RYB	65, 214, 186
Decimal	6149697
CIELab	76.56, -60.38, 60.45
CIELCh	77, 85.439, 134.966
Yxy	50.8019, 0.3154, 0.5429
Android (android.graphics.Color)	4284339777 (0xFF5DD641)
YUV	160.8350, -47.2467, -59.4913
Hunter-Lab	71.2755, -50.8192, 38.8629

Details

The Yxy color **50.8019, 0.3154, 0.5429** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted green. A complement of this color would be **19.0945, 0.2885, 0.1606**, and the grayscale version is **35.7917, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7461, 0.3227, 0.4904**, and **24.4860, 0.3008, 0.5994** is the 20% darker color. If you saturate the color by 10%, you get **49.7948, 0.3127, 0.5674**, and if you desaturate by 10%, it is **52.1136, 0.3171, 0.5129**.

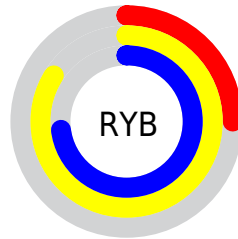
Distribution



Red (36%)

Green (84%)

Blue (25%)



Red (25%)

Yellow (84%)

Blue (73%)

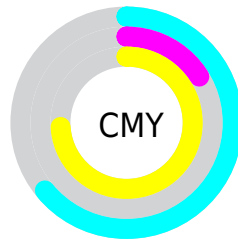


Cyan (57%)

Magenta (0%)

Yellow (70%)

Black (16%)



Cyan (64%)


Magenta (16%)


Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.8019, 0.3154, 0.5429 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 Yxy color 50.8019, 0.3154, 0.5429 by changing the saturation by 10% instead.


 50.8019, 0.3154,
0.5429

 50.8019, 0.3154,
0.5429


389.7936, 0.3221,
0.4306

 36.0510, 0.3107,
0.5710


 91.3619, 0.3200,
0.5017


 24.4736, 0.3027,
0.6062


 117.9397, 0.3211,
0.4862

 15.6853, 0.2891,
0.6507


 149.2287, 0.3217,
0.4732

 9.3017, 0.2690,
0.7171

 185.6131, 0.3221,
0.4622

 4.9385, 0.2230,
0.7770

 227.4774, 0.3222,
0.4526

 2.2112, 0.1083,
0.8917

275.2060, 0.3223,

 0.7261, 0.0000,

0.4443

1.0000

329.1833, 0.3222,
0.4370

■ 0.0000, 0.0000,
0.0000

■ 50.8019, 0.3154,
0.5429

■ 50.8019, 0.3154,
0.5429

■ 49.7948, 0.3127,
0.5674

■ 52.1136, 0.3171,
0.5129

■ 49.0603, 0.3094,
0.5848

■ 53.7458, 0.3180,
0.4799


■ 48.5654, 0.3058,
0.5951

■ 55.7207, 0.3179,
0.4459


■ 48.5493, 0.3057,
0.5955


■ 58.0568, 0.3172,
0.4127

■ 60.7712, 0.3160,
0.3817

 63.8799, 0.3144,
0.3534

 67.3979, 0.3126,
0.3280

 71.3395, 0.3108,
0.3057

 75.5455, 0.3107,
0.2886

Harmonies

Analogous

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



50.8019, 0.4165, 0.5198



50.8019, 0.3154, 0.5429



50.8019, 0.2186, 0.4609

Triad

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



50.8019, 0.3154, 0.5429



50.8019, 0.1429, 0.1785



50.8019, 0.4962, 0.2969

Complementary

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



50.8019, 0.3154, 0.5429



19.0945, 0.2885, 0.1606

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.



50.8019, 0.3904, 0.2337



50.8019, 0.3154, 0.5429



50.8019, 0.1887, 0.1689

Square

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



50.8019, 0.3154, 0.5429



50.8019, 0.1310, 0.2256



50.8019, 0.2735, 0.1885



50.8019, 0.5350, 0.3686

Rectangle

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



50.8019, 0.3154, 0.5429



50.8019, 0.1707, 0.3690



50.8019, 0.2735, 0.1885



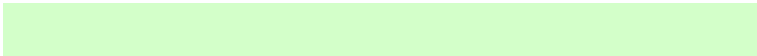
50.8019, 0.4662, 0.2746

Sweetspot

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



50.8040, 0.3154, 0.5429



89.6786, 0.3162, 0.3865



49.0507, 0.4288, 0.4585



18.9471, 0.3165, 0.3950



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



50.8040, 0.3154, 0.5429



73.4250, 0.3110, 0.5775



50.3424, 0.2840, 0.4924



14.0068, 0.3144, 0.3529



29.3764, 0.3064, 0.5949



1.8057, 0.3175, 0.5861

Inverse Universe

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



19.0945, 0.2885, 0.1606



23.2193, 0.2809, 0.1393



20.9613, 0.3773, 0.2148



12.5096, 0.3108, 0.3058



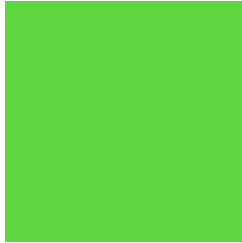
8.4098, 0.2742, 0.1284



0.5383, 0.2827, 0.1331

Previews

White Background



This preview shows how the Yxy color 50.8019, 0.3154, 0.5429 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 Yxy color 50.8019, 0.3154, 0.5429 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

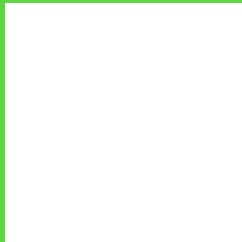
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.8019, 0.3154, 0.5429

Background



This preview shows how black text looks on a background with the Yxy color 50.8019, 0.3154, 0.5429.



This preview shows how white text looks on a background with the Yxy color 50.8019, 0.3154, 0.5429.

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

50.8019, 0.3154, 0.5429

Protanopia

49.9736, 0.4254, 0.4690

Deuteranopia

49.7145, 0.4436, 0.4333



Tritanopia

50.5515, 0.2515, 0.3074

Trichromacy



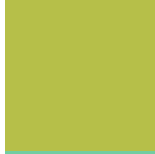
Original Color

50.8019, 0.3154, 0.5429



Protanomaly

48.4849, 0.3786, 0.4995



Deuteranomaly

47.6877, 0.3902, 0.4756



Tritanomaly

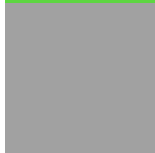
49.7466, 0.2777, 0.3939

Monochromacy



Original Color

50.8019, 0.3154, 0.5429



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

39.3831, 0.3171, 0.4130

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8019, 0.3154, 0.5429 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, 214, 65)` looks like.

```
.text, #text, p{  
    color:rgb(93, 214, 65)  
}
```

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, 214, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 214, 65) }
```

Border

The CSS property to change the border of an element to Yxy 50.8019, 0.3154, 0.5429 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, 214, 65) }
```

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

```
.border{ border-color:rgb(93, 214, 65) }
```

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

Here you see how a box with a 4 pixel rgb(93, 214, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 214, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 214, 65);  
box-shadow:4px 4px 4px 4px rgb(93, 214,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8019, 0.3154, 0.5429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 214, 65) }
```

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

```
.background{ background-color: rgb(93, 214,  
65) }
```

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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