

Converting Colors

$Yxy(58.1930, 0.3096, 0.5528)$

Have a look what the booklet for
Yxy(58.1930, 0.3096, 0.5528)
contains.

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Color

Yxy(58.3051, 0.3094, 0.5528)

Conversions

Conversions Part 1

Format	Color
Hex	54E541
RGB	84, 229, 65
RGB Percent	33%, 90%, 25%
CMY	0.6704, 0.1020, 0.7451
CMYK	0.63, 0.00, 0.72, 0.10
HSL	113°, 76%, 58%
HSV	113°, 72%, 90%
XYZ	32.6331, 58.3051, 14.5341
YIQ	166.9490, -33.7760, -81.7440

Conversions

Conversions Part 2

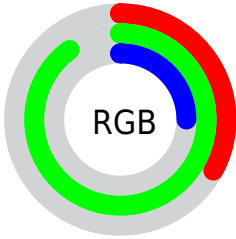
Format	Color
RYB	65, 229, 210
Decimal	5563713
CIELab	80.91, -67.59, 64.87
CIELCh	81, 93.685, 136.178
Yxy	58.3051, 0.3094, 0.5528
Android (android.graphics.Color)	4283753793 (0xFF54E541)
YUV	166.9490, -50.2609, -72.7463
Hunter-Lab	76.3578, -57.3403, 42.1651

Details

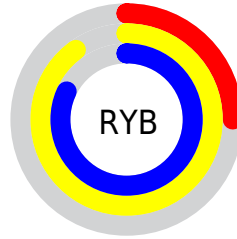
The Yxy color **58.3051, 0.3094, 0.5528** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **23.1310, 0.2998, 0.1628**, and the grayscale version is **38.8875, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.3147, 0.3190, 0.4897**, and **29.5050, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **57.2902, 0.3070, 0.5759**, and if you desaturate by 10%, it is **59.7022, 0.3113, 0.5233**.

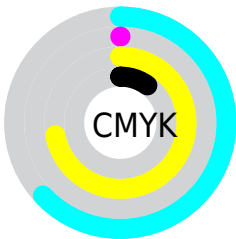
Distribution



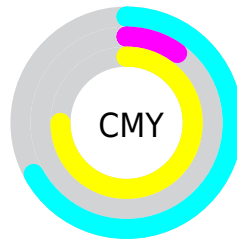
- Red (33%)
- Green (90%)
- Blue (25%)



- Red (25%)
- Yellow (90%)
- Blue (82%)



- Cyan (63%)
- Magenta (0%)
- Yellow (72%)
- Black (10%)





- Cyan (67%)
- Magenta (10%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.3051, 0.3094, 0.5528 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 58.3051, 0.3094, 0.5528 by changing the saturation by 10% instead.


 58.3051, 0.3094,
0.5528


 58.3051, 0.3094,
0.5528


418.3218, 0.3197,
0.4375


 42.0540, 0.3039,
0.5808

 102.3670, 0.3153,
0.5111


 29.1436, 0.2952,
0.6155


 130.9466, 0.3169,
0.4953

 19.1894, 0.2810,
0.6588


 164.4045, 0.3180,
0.4819

 11.8073, 0.2591,
0.7169

 203.1250, 0.3187,
0.4704

 6.6126, 0.2190,
0.7810

 247.4926, 0.3192,
0.4605

 3.2210, 0.1458,
0.8542

297.8917, 0.3195,

 1.2482, 0.0000,

0.4519

1.0000

354.7067, 0.3196,
0.4443

■ 0.1005, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.3051, 0.3094,
0.5528

■ 58.3051, 0.3094,
0.5528

■ 57.2902, 0.3070,
0.5759

■ 59.7022, 0.3113,
0.5233


■ 56.6124, 0.3044,
0.5910

■ 61.5068, 0.3127,
0.4899


■ 56.2662, 0.3025,
0.5980


■ 63.7505, 0.3136,
0.4550


■ 66.4598, 0.3139,
0.4207

 69.6590, 0.3138,
0.3884

 73.3707, 0.3134,
0.3591

 77.6161, 0.3128,
0.3329

 82.4153, 0.3121,
0.3099

 84.5185, 0.3139,
0.3039

Harmonies

Analogous

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



58.3051, 0.4143, 0.5290



58.3051, 0.3094, 0.5528



58.3051, 0.2104, 0.4625

Triad

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



58.3051, 0.3094, 0.5528



58.3051, 0.1385, 0.1719



58.3051, 0.5078, 0.2976

Complementary

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



58.3051, 0.3094, 0.5528



23.1310, 0.2998, 0.1628

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.



58.3051, 0.3988, 0.2323



58.3051, 0.3094, 0.5528



58.3051, 0.1867, 0.1638

Square

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



58.3051, 0.3094, 0.5528



58.3051, 0.1248, 0.2179



58.3051, 0.2758, 0.1851



58.3051, 0.5437, 0.3710

Rectangle

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



58.3051, 0.3094, 0.5528



58.3051, 0.1625, 0.3644



58.3051, 0.2758, 0.1851



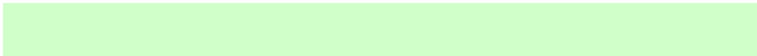
58.3051, 0.4774, 0.2746

Sweetspot

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



58.3075, 0.3094, 0.5528



89.1207, 0.3138, 0.3869



63.0669, 0.4214, 0.4722



18.8171, 0.3139, 0.3956



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.



58.3075, 0.3094, 0.5528



72.6434, 0.3057, 0.5843



58.7173, 0.2778, 0.4785



16.1689, 0.3133, 0.3532



32.1967, 0.3030, 0.5976



2.4059, 0.3097, 0.5923

Inverse Universe

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



23.1310, 0.2998, 0.1628



25.2070, 0.2954, 0.1456



23.1966, 0.4000, 0.2258



14.5258, 0.3119, 0.3057



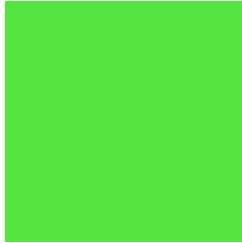
10.4791, 0.2919, 0.1381



0.7986, 0.2964, 0.1406

Previews

White Background



This preview shows how the Yxy color 58.3051, 0.3094, 0.5528 looks on a white background.

Color Contrast Check

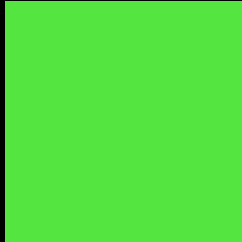
Large Text (above 18pt) WCAG AA × Fail

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 58.3051, 0.3094, 0.5528 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

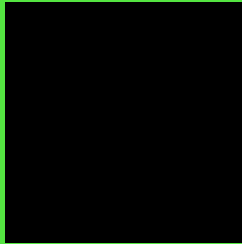
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.3051, 0.3094, 0.5528

Background



This preview shows how black text looks on a background with the Yxy color 58.3051, 0.3094, 0.5528.

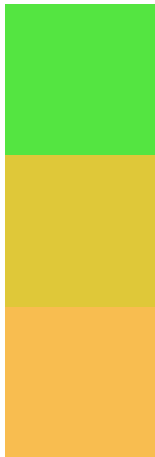


This preview shows how white text looks on a background with the Yxy color 58.3051, 0.3094, 0.5528.

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

58.3051, 0.3094, 0.5528

Protanopia

57.2919, 0.4272, 0.4723

Deuteranopia

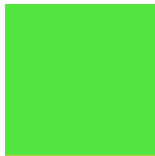
56.9308, 0.4462, 0.4353



Tritanopia

58.0002, 0.2462, 0.3071

Trichromacy



Original Color

58.3051, 0.3094, 0.5528



Protanomaly

55.6854, 0.3750, 0.5078



Deuteranomaly

54.3851, 0.3864, 0.4820



Tritanomaly

56.7915, 0.2716, 0.3969

Monochromacy



Original Color

58.3051, 0.3094, 0.5528



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

43.7570, 0.3139, 0.4193

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.3051, 0.3094, 0.5528 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(84, 229, 65)` looks like.

```
.text, #text, p{  
    color:rgb(84, 229, 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(84, 229, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 229, 65) }
```

Border

The CSS property to change the border of an element to Yxy 58.3051, 0.3094, 0.5528 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(84, 229, 65) }
```

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

```
.border{ border-color:rgb(84, 229, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 229, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 229, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 229, 65);  
box-shadow:4px 4px 4px 4px rgb(84, 229,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 58.3051, 0.3094, 0.5528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 229, 65) }
```

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

```
.background{ background-color: rgb(84, 229,  
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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