

Converting Colors

$Yxy(58.2936, 0.3097, 0.5537)$

Have a look what the booklet for
Yxy(58.2936, 0.3097, 0.5537)
contains.

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Color

Yxy(58.2936, 0.3097, 0.5537)

Conversions

Conversions Part 1

Format	Color
Hex	54E540
RGB	84, 229, 64
RGB Percent	33%, 90%, 25%
CMY	0.6703, 0.1020, 0.7491
CMYK	0.63, 0.00, 0.72, 0.10
HSL	113°, 76%, 57%
HSV	113°, 72%, 90%
XYZ	32.6053, 58.2936, 14.3813
YIQ	166.8350, -33.4550, -82.0550

Conversions

Conversions Part 2

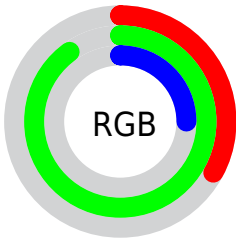
Format	Color
RYB	64, 229, 209
Decimal	5563712
CIELab	80.90, -67.67, 65.22
CIELCh	81, 93.979, 136.055
Yxy	58.2936, 0.3097, 0.5537
Android (android.graphics.Color)	4283753792 (0xFF54E540)
YUV	166.8350, -50.6977, -72.6463
Hunter-Lab	76.3502, -57.3848, 42.2774

Details

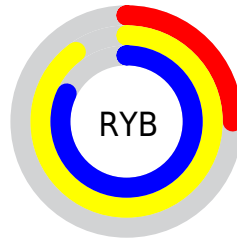
The Yxy color **58.2936, 0.3097, 0.5537** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **22.8657, 0.2987, 0.1617**, and the grayscale version is **38.8325, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2900, 0.3194, 0.4907**, and **29.5050, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **57.2872, 0.3072, 0.5765**, and if you desaturate by 10%, it is **59.6783, 0.3117, 0.5245**.

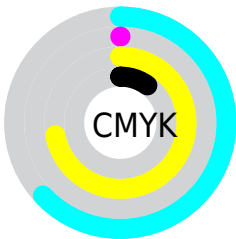
Distribution



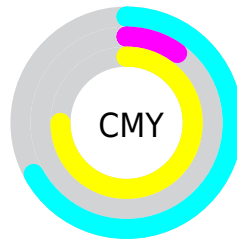
- Red (33%)
- Green (90%)
- Blue (25%)



- 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 58.2936, 0.3097, 0.5537 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 58.2936, 0.3097, 0.5537 by changing the saturation by 10% instead.


 58.2936, 0.3097,
0.5537


 58.2936, 0.3097,
0.5537


418.2791, 0.3200,
0.4380


 42.0447, 0.3042,
0.5818


 102.3503, 0.3157,
0.5119


 29.1363, 0.2954,
0.6165


 130.9269, 0.3172,
0.4960

 19.1840, 0.2812,
0.6599


 164.3815, 0.3183,
0.4826

 11.8033, 0.2592,
0.7182

 203.0986, 0.3190,
0.4711

 6.6099, 0.2187,
0.7813

 247.4625, 0.3194,
0.4611

 3.2193, 0.1454,
0.8546

297.8576, 0.3197,

 1.2473, 0.0000,

0.4524

1.0000

354.6683, 0.3199,
0.4448

■ 0.0998, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.2936, 0.3097,
0.5537

■ 58.2936, 0.3097,
0.5537

■ 57.2872, 0.3072,
0.5765

■ 59.6783, 0.3117,
0.5245


■ 56.6142, 0.3046,
0.5913


■ 61.4663, 0.3131,
0.4912


■ 56.2829, 0.3027,
0.5979

■ 63.6890, 0.3139,
0.4564


■ 66.3725, 0.3142,
0.4221

 69.5409, 0.3140,
0.3898

 73.2166, 0.3136,
0.3603

 77.4206, 0.3129,
0.3340

 82.1727, 0.3121,
0.3109

 84.5179, 0.3139,
0.3039

Harmonies

Analogous

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



58.2936, 0.4149, 0.5293



58.2936, 0.3097, 0.5537



58.2936, 0.2104, 0.4636

Triad

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



58.2936, 0.3097, 0.5537



58.2936, 0.1380, 0.1716



58.2936, 0.5081, 0.2971

Complementary

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



58.2936, 0.3097, 0.5537



22.8657, 0.2987, 0.1617

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.



58.2936, 0.3985, 0.2318



58.2936, 0.3097, 0.5537



58.2936, 0.1861, 0.1634

Square

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



58.2936, 0.3097, 0.5537



58.2936, 0.1244, 0.2178



58.2936, 0.2753, 0.1846



58.2936, 0.5444, 0.3706

Rectangle

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



58.2936, 0.3097, 0.5537



58.2936, 0.1623, 0.3651



58.2936, 0.2753, 0.1846



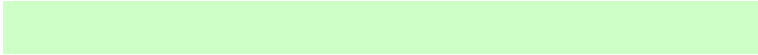
58.2936, 0.4775, 0.2741

Sweetspot

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



58.2960, 0.3097, 0.5537



88.7218, 0.3140, 0.3900



61.6522, 0.4240, 0.4705



18.7408, 0.3141, 0.3986



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.



58.2960, 0.3097, 0.5537



72.6823, 0.3061, 0.5841



58.5952, 0.2790, 0.4836



16.1727, 0.3134, 0.3532



32.2076, 0.3032, 0.5975



2.4077, 0.3101, 0.5919

Inverse Universe

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



22.8657, 0.2987, 0.1617



25.0083, 0.2942, 0.1449



23.1690, 0.3967, 0.2227



14.5215, 0.3119, 0.3057



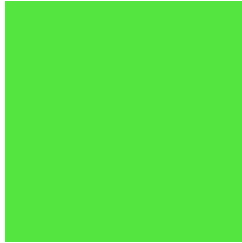
10.3800, 0.2905, 0.1374



0.7922, 0.2952, 0.1400

Previews

White Background



This preview shows how the Yxy color 58.2936, 0.3097, 0.5537 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 58.2936, 0.3097, 0.5537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

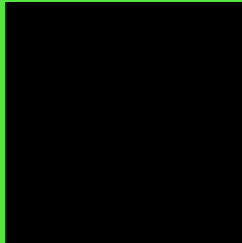
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.2936, 0.3097, 0.5537

Background



This preview shows how black text looks on a background with the Yxy color 58.2936, 0.3097, 0.5537.



This preview shows how white text looks on a background with the Yxy color 58.2936, 0.3097, 0.5537.

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

58.2936, 0.3097, 0.5537

Protanopia

57.2821, 0.4276, 0.4728

Deuteranopia

56.9162, 0.4467, 0.4360



Tritanopia

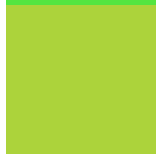
58.0002, 0.2462, 0.3071

Trichromacy



Original Color

58.2936, 0.3097, 0.5537



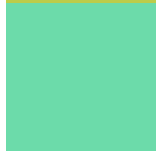
Protanomaly

55.6750, 0.3753, 0.5085



Deuteranomaly

54.3715, 0.3869, 0.4828



Tritanomaly

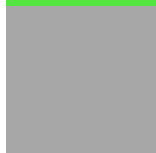
56.7535, 0.2721, 0.3984

Monochromacy



Original Color

58.2936, 0.3097, 0.5537



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 58.2936, 0.3097, 0.5537 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, 64)` looks like.

```
.text, #text, p{  
    color:rgb(84, 229, 64)  
}
```

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, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 229, 64) }
```

Border

The CSS property to change the border of an element to Yxy 58.2936, 0.3097, 0.5537 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, 64) }
```

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

```
.border{ border-color:rgb(84, 229, 64) }
```

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, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 229, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 229, 64);  
box-shadow:4px 4px 4px 4px rgb(84, 229,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 58.2936, 0.3097, 0.5537 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, 64) }
```

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

```
.background{ background-color: rgb(84, 229,  
64) }
```

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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