

Converting Colors

$Yxy(58.1395, 0.2981, 0.5299)$

Have a look what the booklet for
Yxy(58.1395, 0.2981, 0.5299)
contains.

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Color

Yxy(58.2964, 0.2980, 0.5296)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 4CE559 |
| RGB | 76, 229, 89 |
| RGB Percent | 30%, 90%, 35% |
| CMY | 0.7020, 0.1019, 0.6509 |
| CMYK | 0.67, 0.00, 0.61, 0.10 |
| HSL | 125°, 75%, 60% |
| HSV | 125°, 67%, 90% |
| XYZ | 32.8027, 58.2964, 18.9772 |
| YIQ | 167.2930, -46.2480, -75.9760 |

Conversions

Conversions Part 2

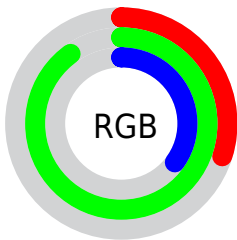
| Format | Color |
|-------------------------------------|--|
| RYB | 76, 217, 229 |
| Decimal | 5039449 |
| CIELab | 80.90, -66.97, 55.36 |
| CIELCh | 81, 86.885, 140.421 |
| Yxy | 58.2964, 0.2980, 0.5296 |
| Android (android.graphics.Color) | 4283229529 (0xFF4CE559) |
| YUV | 167.2930, -38.5984, -80.0640 |
| Hunter-Lab | 76.3521, -56.9281, 38.7100 |

Details

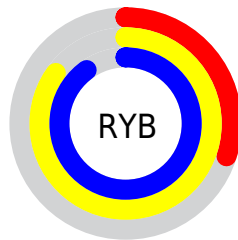
The Yxy color **58.2964, 0.2980, 0.5296** is a dark color, and the websafe version is hex **66FF66**. The color can be described as dark muted green. A complement of this color would be **26.7831, 0.3337, 0.1890**, and the grayscale version is **39.0033, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2540, 0.3057, 0.4671**, and **29.6093, 0.2949, 0.5816** is the 20% darker color. If you saturate the color by 10%, you get **57.2187, 0.2974, 0.5573**, and if you desaturate by 10%, it is **59.8127, 0.2993, 0.4977**.

Distribution



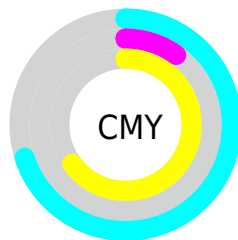
- Red (30%)
- Green (90%)
- Blue (35%)



- Red (30%)
- Yellow (85%)
- Blue (90%)



- Cyan (67%)
- Magenta (0%)
- Yellow (61%)
- Black (10%)




- Cyan (70%)
- Magenta (10%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.2964, 0.2980, 0.5296 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 58.2964, 0.2980, 0.5296 by changing the saturation by 10% instead.


 58.2964, 0.2980,
0.5296


 58.2964, 0.2980,
0.5296


418.2895, 0.3116,
0.4253


 42.0470, 0.2926,
0.5558

 102.3544, 0.3045,
0.4914


 29.1381, 0.2844,
0.5889


 130.9317, 0.3064,
0.4770

 19.1853, 0.2717,
0.6316


 164.3871, 0.3079,
0.4650

 11.8042, 0.2509,
0.6872

 203.1050, 0.3090,
0.4547

 6.6105, 0.2214,
0.7786

247.4698, 0.3099,
0.4458

 3.2197, 0.1492,
0.8508

297.8659, 0.3106,

 1.2475, 0.0000,

0.4381

1.0000

354.6777, 0.3112,
0.4313

■ 0.1000, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.2964, 0.2980,
0.5296

■ 58.2964, 0.2980,
0.5296

■ 57.2187, 0.2974,
0.5573

■ 59.8127, 0.2993,
0.4977

■ 56.5262, 0.2977,
0.5787


■ 61.8000, 0.3012,
0.4641

■ 56.1635, 0.2985,
0.5924


■ 64.2957, 0.3035,
0.4307


■ 56.0899, 0.2987,
0.5953

■ 67.3315, 0.3060,
0.3992

 70.9366, 0.3086,
0.3704

 75.1382, 0.3111,
0.3447

 79.9615, 0.3135,
0.3222

 84.5212, 0.3139,
0.3039

Harmonies

Analogous

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



58.2964, 0.3980, 0.5250



58.2964, 0.2980, 0.5296



58.2964, 0.2069, 0.4334

Triad

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



58.2964, 0.2980, 0.5296



58.2964, 0.1520, 0.1778



58.2964, 0.5038, 0.3107

Complementary

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



58.2964, 0.2980, 0.5296



26.7831, 0.3337, 0.1890

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.



58.2964, 0.4097, 0.2463



58.2964, 0.2980, 0.5296



58.2964, 0.2038, 0.1737

Square

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



58.2964, 0.2980, 0.5296



58.2964, 0.1345, 0.2168



58.2964, 0.2938, 0.1979



58.2964, 0.5280, 0.3824

Rectangle

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



58.2964, 0.2980, 0.5296



58.2964, 0.1647, 0.3443



58.2964, 0.2938, 0.1979



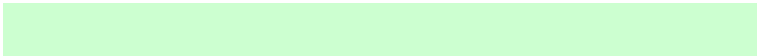
58.2964, 0.4786, 0.2881

Sweetspot

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



58.2988, 0.2980, 0.5296



88.9283, 0.3077, 0.3796



71.2004, 0.3941, 0.4862



18.7547, 0.3070, 0.3877



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.



58.2988, 0.2980, 0.5296



72.6456, 0.2974, 0.5659



60.3030, 0.2636, 0.4203



16.1090, 0.3104, 0.3512



32.0752, 0.2984, 0.5942



2.3772, 0.2942, 0.5791

Inverse Universe

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



26.7831, 0.3337, 0.1890



29.7792, 0.3382, 0.1743



23.7123, 0.4376, 0.2619



14.5930, 0.3151, 0.3078



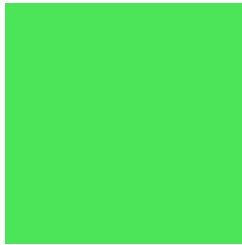
12.1795, 0.3435, 0.1666



0.9063, 0.3398, 0.1646

Previews

White Background



This preview shows how the Yxy color 58.2964, 0.2980, 0.5296 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 58.2964, 0.2980, 0.5296 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 58.2964, 0.2980, 0.5296

Background



This preview shows how black text looks on a background with the Yxy color 58.2964, 0.2980, 0.5296.

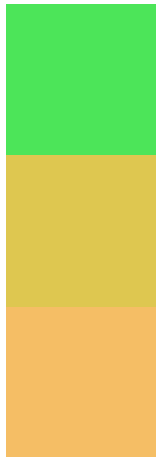


This preview shows how white text looks on a background with the Yxy color 58.2964, 0.2980, 0.5296.

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

58.2964, 0.2980, 0.5296

Protanopia

56.9556, 0.4167, 0.4564

Deuteranopia

57.1790, 0.4300, 0.4208



Tritanopia

58.0719, 0.2429, 0.3070

Trichromacy



Original Color

58.2964, 0.2980, 0.5296



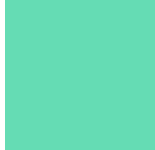
Protanomaly

55.1527, 0.3632, 0.4890



Deuteranomaly

54.2391, 0.3712, 0.4626



Tritanomaly

57.2484, 0.2638, 0.3852

Monochromacy



Original Color

58.2964, 0.2980, 0.5296



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

43.7593, 0.3052, 0.4059

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.2964, 0.2980, 0.5296 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(76, 229, 89)` looks like.

```
.text, #text, p{  
    color:rgb(76, 229, 89)  
}
```

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(76, 229, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 229, 89) }
```

Border

The CSS property to change the border of an element to Yxy 58.2964, 0.2980, 0.5296 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(76, 229, 89) }
```

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

```
.border{ border-color:rgb(76, 229, 89) }
```

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

Here you see how a box with a 4 pixel rgb(76, 229, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 229, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 229, 89);  
box-shadow:4px 4px 4px 4px rgb(76, 229,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 58.2964, 0.2980, 0.5296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 229, 89) }
```

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

```
.background{ background-color: rgb(76, 229,  
89) }
```

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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