

Converting Colors

Yxy(58.6213, 0.2959, 0.5454)

Have a look what the booklet for
Yxy(58.6213, 0.2959, 0.5454)
contains.

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Color

Yxy(58.6770, 0.2961, 0.5455)

Conversions

Conversions Part 1

Format	Color
Hex	3CE74F
RGB	60, 231, 79
RGB Percent	24%, 91%, 31%
CMY	0.7647, 0.0941, 0.6903
CMYK	0.74, 0.00, 0.66, 0.09
HSL	127°, 78%, 57%
HSV	127°, 74%, 91%
XYZ	31.8502, 58.6770, 17.0384
YIQ	162.5430, -53.1240, -83.5240

Conversions

Conversions Part 2

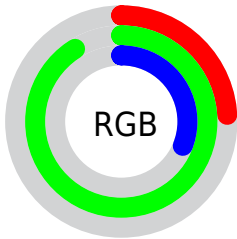
Format	Color
RYB	60, 214, 231
Decimal	3991375
CIELab	81.11, -71.30, 59.66
CIElCh	81, 92.971, 140.079
Yxy	58.6770, 0.2961, 0.5455
Android (android.graphics.Color)	4282181455 (0xFF3CE74F)
YUV	162.5430, -41.1867, -89.9302
Hunter-Lab	76.6009, -59.8325, 40.4327

Details

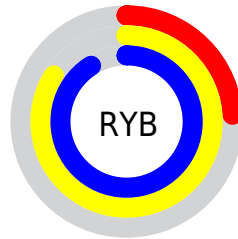
The Yxy color **58.6770, 0.2961, 0.5455** is a dark color, and the websafe version is hex **66FF66**. The color can be described as dark washed green. A complement of this color would be **24.9778, 0.3413, 0.1835**, and the grayscale version is **36.6166, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1468, 0.3046, 0.4802**, and **30.3038, 0.2984, 0.5944** is the 20% darker color. If you saturate the color by 10%, you get **57.8559, 0.2963, 0.5694**, and if you desaturate by 10%, it is **59.9090, 0.2968, 0.5164**.

Distribution



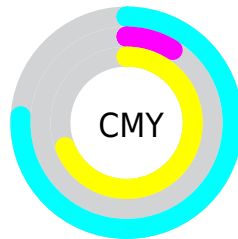
- Red (24%)
- Green (91%)
- Blue (31%)



- Red (24%)
- Yellow (84%)
- Blue (91%)



- Cyan (74%)
- Magenta (0%)
- Yellow (66%)
- Black (9%)



- Cyan (76%)
- Magenta (9%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.6770, 0.2961, 0.5455 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 58.6770, 0.2961, 0.5455 by changing the saturation by 10% instead.


 58.6770, 0.2961,
0.5455

 58.6770, 0.2961,
0.5455

419.7039, 0.3118,
0.4330


 42.3532, 0.2898,
0.5735


 102.9081, 0.3036,
0.5044


 29.3779, 0.2804,
0.6086


 131.5841, 0.3059,
0.4889


 19.3669, 0.2657,
0.6534


 165.1463, 0.3076,
0.4759

 11.9357, 0.2422,
0.7110

 203.9791, 0.3089,
0.4648

 6.6999, 0.2062,
0.7938

 248.4668, 0.3099,
0.4552

 3.2751, 0.1281,
0.8719

298.9940, 0.3106,

 1.2770, 0.0000,

0.4468

1.0000

355.9448, 0.3113,
0.4395

■ 0.1233, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.6770, 0.2961,
0.5455

■ 58.6770, 0.2961,
0.5455

■ 57.8559, 0.2963,
0.5694

■ 59.9090, 0.2968,
0.5164

■ 57.3855, 0.2974,
0.5864


■ 61.5887, 0.2983,
0.4842


■ 57.2272, 0.2981,
0.5932


■ 63.7567, 0.3004,
0.4512


■ 66.4472, 0.3030,
0.4191

 69.6912, 0.3058,
0.3891

 73.5174, 0.3087,
0.3619

 77.9524, 0.3116,
0.3378

 83.0213, 0.3143,
0.3167

 85.6343, 0.3138,
0.3058

Harmonies

Analogous

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



58.6770, 0.4010, 0.5352



58.6770, 0.2961, 0.5455



58.6770, 0.2007, 0.4428

Triad

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



58.6770, 0.2961, 0.5455



58.6770, 0.1439, 0.1702



58.6770, 0.5155, 0.3072

Complementary

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



58.6770, 0.2961, 0.5455



24.9778, 0.3413, 0.1835

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.



58.6770, 0.4143, 0.2408



58.6770, 0.2961, 0.5455



58.6770, 0.1968, 0.1661

Square

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



58.6770, 0.2961, 0.5455



58.6770, 0.1260, 0.2103



58.6770, 0.2907, 0.1908



58.6770, 0.5403, 0.3811

Rectangle

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



58.6770, 0.2961, 0.5455



58.6770, 0.1568, 0.3458



58.6770, 0.2907, 0.1908



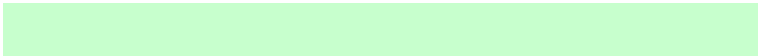
58.6770, 0.4885, 0.2840

Sweetspot

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



58.6794, 0.2961, 0.5455



88.0621, 0.3064, 0.3837



71.7625, 0.3966, 0.4984



18.5888, 0.3056, 0.3915



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.



58.6794, 0.2961, 0.5455



72.0267, 0.2968, 0.5796



60.7456, 0.2607, 0.4278



16.1150, 0.3101, 0.3505



32.0899, 0.2977, 0.5917



2.3800, 0.2925, 0.5731

Inverse Universe

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



24.9778, 0.3413, 0.1835



27.7965, 0.3476, 0.1728



21.7916, 0.4637, 0.2625



14.5862, 0.3155, 0.3084



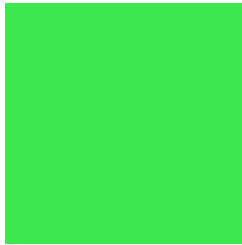
12.0171, 0.3509, 0.1707



0.8959, 0.3460, 0.1679

Previews

White Background



This preview shows how the Yxy color 58.6770, 0.2961, 0.5455 looks on a white background.

Color Contrast Check

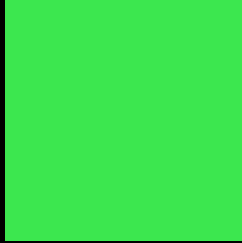
Large Text (above 18pt) WCAG AA × Fail

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 58.6770, 0.2961, 0.5455 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 58.6770, 0.2961, 0.5455

Background



This preview shows how black text looks on a background with the Yxy color 58.6770, 0.2961, 0.5455.

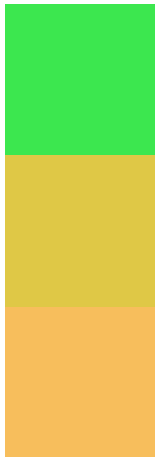


This preview shows how white text looks on a background with the Yxy color 58.6770, 0.2961, 0.5455.

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

58.6770, 0.2961, 0.5455

Protanopia

57.4387, 0.4217, 0.4641

Deuteranopia

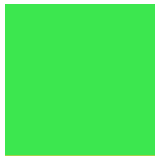
57.3738, 0.4375, 0.4276



Tritanopia

58.2404, 0.2393, 0.3057

Trichromacy



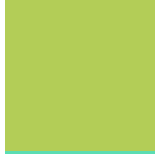
Original Color

58.6770, 0.2961, 0.5455



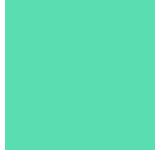
Protanomaly

54.9621, 0.3633, 0.5016



Deuteranomaly

53.9345, 0.3720, 0.4761



Tritanomaly

57.1514, 0.2608, 0.3901

Monochromacy



Original Color

58.6770, 0.2961, 0.5455



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

42.0680, 0.3040, 0.4159

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.6770, 0.2961, 0.5455 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(60, 231, 79)` looks like.

```
.text, #text, p{  
    color:rgb(60, 231, 79)  
}
```

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(60, 231, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 231, 79) }
```

Border

The CSS property to change the border of an element to Yxy 58.6770, 0.2961, 0.5455 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(60, 231, 79) }
```

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

```
.border{ border-color:rgb(60, 231, 79) }
```

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

Here you see how a box with a 4 pixel rgb(60, 231, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 231, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 231, 79);  
box-shadow:4px 4px 4px 4px rgb(60, 231,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 58.6770, 0.2961, 0.5455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 231, 79) }
```

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

```
.background{ background-color: rgb(60, 231,  
79) }
```

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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