

Converting Colors

Yxy(61.4722, 0.3048, 0.5520)

Have a look what the booklet for
Yxy(61.4722, 0.3048, 0.5520)
contains.

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Color

Yxy(61.4786, 0.3051, 0.5523)

Conversions

Conversions Part 1

Format	Color
Hex	4EEB46
RGB	78, 235, 70
RGB Percent	31%, 92%, 27%
CMY	0.6937, 0.0784, 0.7254
CMYK	0.67, 0.00, 0.70, 0.08
HSL	117°, 80%, 60%
HSV	117°, 70%, 92%
XYZ	33.9618, 61.4786, 15.8733
YIQ	169.2470, -40.6070, -84.5990

Conversions

Conversions Part 2

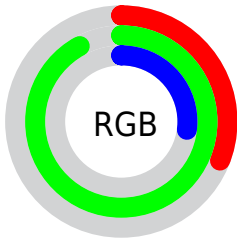
Format	Color
RYB	70, 235, 227
Decimal	5172038
CIELab	82.64, -70.35, 64.80
CIElCh	83, 95.646, 137.351
Yxy	61.4786, 0.3051, 0.5523
Android (android.graphics.Color)	4283362118 (0xFF4EEB46)
YUV	169.2470, -48.9288, -80.0236
Hunter-Lab	78.4083, -59.8989, 42.8829

Details

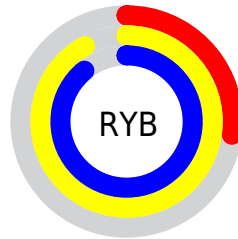
The Yxy color **61.4786, 0.3051, 0.5523** is a dark color, and the websafe version is hex **66FF66**. The color can be described as dark muted green. A complement of this color would be **26.6992, 0.3117, 0.1704**, and the grayscale version is **40.0820, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.0720, 0.3146, 0.4852**, and **31.8408, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **60.4498, 0.3034, 0.5762**, and if you desaturate by 10%, it is **62.9493, 0.3068, 0.5218**.

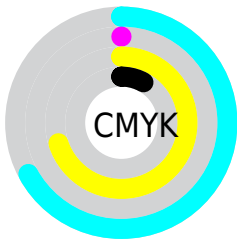
Distribution



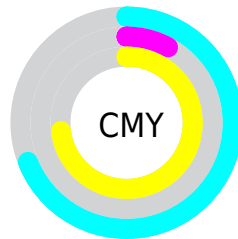
- Red (31%)
- Green (92%)
- Blue (27%)



- Red (27%)
- Yellow (92%)
- Blue (89%)



- Cyan (67%)
- Magenta (0%)
- Yellow (70%)
- Black (8%)





- Cyan (69%)
- Magenta (8%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.4786, 0.3051, 0.5523 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 61.4786, 0.3051, 0.5523 by changing the saturation by 10% instead.


 61.4786, 0.3051,
0.5523

 61.4786, 0.3051,
0.5523


430.0266, 0.3173,
0.4379

 44.6115, 0.2994,
0.5800


 106.9716, 0.3116,
0.5110

 31.1516, 0.2906,
0.6143


 136.3663, 0.3134,
0.4953


 20.7143, 0.2766,
0.6572


 170.7057, 0.3147,
0.4821

 12.9153, 0.2544,
0.7121

 210.3742, 0.3156,
0.4707

 7.3703, 0.2180,
0.7820

 255.7561, 0.3162,
0.4608

 3.6947, 0.1524,
0.8476

307.2359, 0.3167,

 1.5043, 0.0000,

0.4522

1.0000

365.1980, 0.3170,
0.4446

■ 0.2918, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 61.4786, 0.3051,
0.5523

■ 61.4786, 0.3051,
0.5523

■ 60.4498, 0.3034,
0.5762

■ 62.9493, 0.3068,
0.5218


■ 59.8069, 0.3018,
0.5918

■ 64.8956, 0.3084,
0.4874


■ 59.4896, 0.3008,
0.5994

■ 67.3566, 0.3097,
0.4517

■ 70.3653, 0.3108,
0.4169

 73.9520, 0.3116,
0.3846

 78.1447, 0.3123,
0.3553

 82.9696, 0.3127,
0.3295

 87.8950, 0.3136,
0.3097

Harmonies

Analogous

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



61.4786, 0.4105, 0.5319



61.4786, 0.3051, 0.5523



61.4786, 0.2067, 0.4575

Triad

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



61.4786, 0.3051, 0.5523



61.4786, 0.1393, 0.1706



61.4786, 0.5114, 0.3002

Complementary

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



61.4786, 0.3051, 0.5523



26.6992, 0.3117, 0.1704

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.



61.4786, 0.4040, 0.2344



61.4786, 0.3051, 0.5523



61.4786, 0.1891, 0.1637

Square

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



61.4786, 0.3051, 0.5523



61.4786, 0.1243, 0.2148



61.4786, 0.2801, 0.1861



61.4786, 0.5440, 0.3740

Rectangle

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



61.4786, 0.3051, 0.5523



61.4786, 0.1599, 0.3588



61.4786, 0.2801, 0.1861



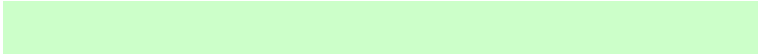
61.4786, 0.4818, 0.2770

Sweetspot

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



61.4812, 0.3051, 0.5523



88.6056, 0.3116, 0.3873



72.9047, 0.4123, 0.4789



18.6974, 0.3114, 0.3961



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.



61.4812, 0.3051, 0.5523



72.3899, 0.3027, 0.5838



62.7394, 0.2729, 0.4591



16.8973, 0.3123, 0.3533



33.1253, 0.3011, 0.5992



2.6136, 0.3040, 0.5968

Inverse Universe

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



26.6992, 0.3117, 0.1704



28.1177, 0.3103, 0.1549



24.6092, 0.4139, 0.2376



15.2740, 0.3130, 0.3057



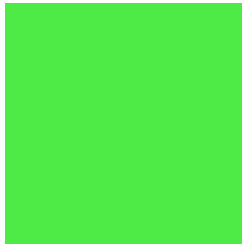
12.1303, 0.3087, 0.1474



0.9641, 0.3105, 0.1484

Previews

White Background



This preview shows how the Yxy color 61.4786, 0.3051, 0.5523 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 61.4786, 0.3051, 0.5523 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

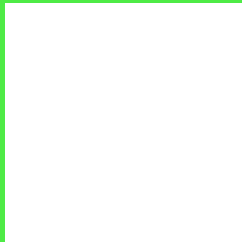
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 61.4786, 0.3051, 0.5523

Background



This preview shows how black text looks on a background with the Yxy color 61.4786, 0.3051, 0.5523.



This preview shows how white text looks on a background with the Yxy color 61.4786, 0.3051, 0.5523.

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

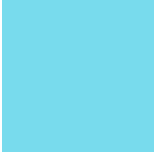
61.4786, 0.3051, 0.5523

Protanopia

60.0275, 0.4263, 0.4699

Deuteranopia

60.1221, 0.4435, 0.4340



Tritanopia

60.7705, 0.2437, 0.3062

Trichromacy



Original Color

61.4786, 0.3051, 0.5523



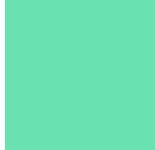
Protanomaly

57.8668, 0.3718, 0.5063



Deuteranomaly

56.9989, 0.3819, 0.4812



Tritanomaly

59.9883, 0.2686, 0.3970

Monochromacy



Original Color

61.4786, 0.3051, 0.5523



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

45.0676, 0.3108, 0.4186

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.4786, 0.3051, 0.5523 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(78, 235, 70)` looks like.

```
.text, #text, p{  
    color:rgb(78, 235, 70)  
}
```

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(78, 235, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 235, 70) }
```

Border

The CSS property to change the border of an element to Yxy 61.4786, 0.3051, 0.5523 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(78, 235, 70) }
```

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

```
.border{ border-color:rgb(78, 235, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 235, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 235, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 235, 70);  
box-shadow:4px 4px 4px 4px rgb(78, 235,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 61.4786, 0.3051, 0.5523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 235, 70) }
```

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

```
.background{ background-color: rgb(78, 235,  
70) }
```

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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