

Converting Colors

$Y_{xy}(57.3752, 0.2779, 0.4676)$

Have a look what the booklet for
Yxy(57.3752, 0.2779, 0.4676)
contains.

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Color

Yxy(57.4751, 0.2780, 0.4684)

Conversions

Conversions Part 1

Format	Color
Hex	49E284
RGB	73, 226, 132
RGB Percent	29%, 89%, 52%
CMY	0.7134, 0.1137, 0.4824
CMYK	0.68, 0.00, 0.42, 0.11
HSL	143°, 73%, 59%
HSV	143°, 68%, 89%
XYZ	34.1120, 57.4751, 31.1180
YIQ	169.5370, -61.0140, -61.6700

Conversions

Conversions Part 2

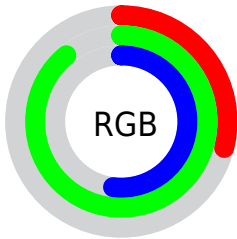
Format	Color
RYB	73, 183, 226
Decimal	4842116
CIELab	80.45, -60.39, 34.55
CIELCh	80, 69.574, 150.227
Yxy	57.4751, 0.2780, 0.4684
Android (android.graphics.Color)	4283032196 (0xFF49E284)
YUV	169.5370, -18.5057, -84.6629
Hunter-Lab	75.8123, -52.3549, 28.7324

Details

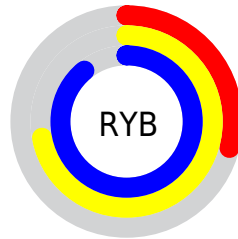
The Yxy color **57.4751, 0.2780, 0.4684** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **23.7379, 0.3935, 0.2293**, and the grayscale version is **40.0834, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.4684, 0.2831, 0.4134**, and **28.9700, 0.2740, 0.5065** is the 20% darker color. If you saturate the color by 10%, you get **56.3929, 0.2776, 0.4922**, and if you desaturate by 10%, it is **58.9334, 0.2802, 0.4442**.

Distribution



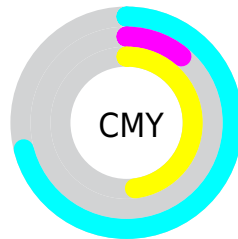
- Red (29%)
- Green (89%)
- Blue (52%)



- Red (29%)
- Yellow (72%)
- Blue (89%)



- Cyan (68%)
- Magenta (0%)
- Yellow (42%)
- Black (11%)





- Cyan (71%)
- Magenta (11%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 57.4751, 0.2780, 0.4684 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 57.4751, 0.2780, 0.4684 by changing the saturation by 10% instead.


 57.4751, 0.2780,
0.4684


 57.4751, 0.2780,
0.4684


415.2272, 0.2977,
0.3959


 41.3868, 0.2724,
0.4871


 101.1581, 0.2857,
0.4415

 28.6215, 0.2648,
0.5114


 129.5216, 0.2884,
0.4316

 18.7946, 0.2541,
0.5440


 162.7456, 0.2906,
0.4232

 11.5220, 0.2381,
0.5896

 201.2145, 0.2925,
0.4161

 6.4191, 0.2124,
0.6562

245.3127, 0.2941,
0.4100

 3.1015, 0.1769,
0.8102

295.4246, 0.2954,

 1.1850, 0.0000,

0.4047

1.0000

351.9347, 0.2966,
0.4000

■ 0.0494, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.4751, 0.2780,
0.4684

■ 57.4751, 0.2780,
0.4684

■ 56.3929, 0.2776,
0.4922

■ 58.9334, 0.2802,
0.4442

■ 55.6410, 0.2791,
0.5146

■ 60.7937, 0.2839,
0.4206

■ 55.1697, 0.2823,
0.5349


■ 63.0876, 0.2888,
0.3980


■ 55.0814, 0.2831,
0.5393

■ 65.8416, 0.2946,
0.3771

 69.0800, 0.3009,
0.3580

 72.8254, 0.3076,
0.3409

 77.0988, 0.3143,
0.3256

 81.9201, 0.3209,
0.3122

 82.8724, 0.3140,
0.3009

Harmonies

Analogous

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



57.4751, 0.3625, 0.4967



57.4751, 0.2780, 0.4684



57.4751, 0.2076, 0.3784

Triad

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



57.4751, 0.2780, 0.4684



57.4751, 0.1882, 0.1977



57.4751, 0.4814, 0.3377

Complementary

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



57.4751, 0.2780, 0.4684



23.7379, 0.3935, 0.2293

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.



57.4751, 0.4205, 0.2781



57.4751, 0.2780, 0.4684



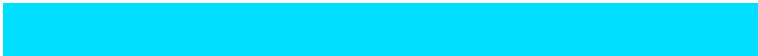
57.4751, 0.2443, 0.2016

Square

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



57.4751, 0.2780, 0.4684



57.4751, 0.1631, 0.2227



57.4751, 0.3285, 0.2301



57.4751, 0.4852, 0.4018

Rectangle

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



57.4751, 0.2780, 0.4684



57.4751, 0.1778, 0.3123



57.4751, 0.3285, 0.2301



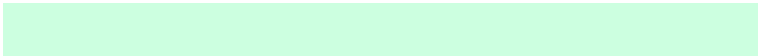
57.4751, 0.4668, 0.3171

Sweetspot

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



57.4774, 0.2780, 0.4684



89.7199, 0.2993, 0.3625



63.1315, 0.3590, 0.5103



18.9415, 0.2975, 0.3679



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.



57.4774, 0.2780, 0.4684



73.7181, 0.2780, 0.5011



60.3739, 0.2419, 0.3531



15.4242, 0.3064, 0.3438



31.4456, 0.2823, 0.5364



2.1968, 0.2736, 0.5051

Inverse Universe

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



23.7379, 0.3935, 0.2293



26.5234, 0.4179, 0.2212



21.6982, 0.5126, 0.3121



13.8415, 0.3196, 0.3147



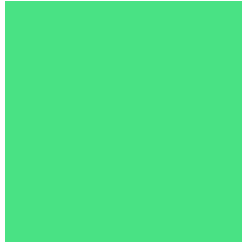
10.3108, 0.4474, 0.2238



0.7320, 0.4227, 0.2102

Previews

White Background



This preview shows how the Yxy color 57.4751, 0.2780, 0.4684 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 57.4751, 0.2780, 0.4684 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

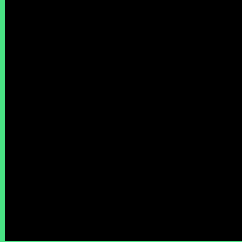
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.4751, 0.2780, 0.4684

Background



This preview shows how black text looks on a background with the Yxy color 57.4751, 0.2780, 0.4684.

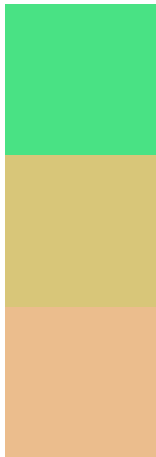


This preview shows how white text looks on a background with the Yxy color 57.4751, 0.2780, 0.4684.

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

57.4751, 0.2780, 0.4684

Protanopia

56.3676, 0.3862, 0.4189

Deuteranopia

55.9804, 0.3916, 0.3828



Tritanopia

57.0451, 0.2393, 0.3055

Trichromacy



Original Color

57.4751, 0.2780, 0.4684



Protanomaly

54.4849, 0.3358, 0.4402



Deuteranomaly

53.3061, 0.3382, 0.4134



Tritanomaly

56.5612, 0.2526, 0.3594

Monochromacy



Original Color

57.4751, 0.2780, 0.4684



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

44.3781, 0.2941, 0.3793

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.4751, 0.2780, 0.4684 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(73, 226, 132)` looks like.

```
.text, #text, p{  
    color:rgb(73, 226, 132)  
}
```

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(73, 226, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 226, 132) }
```

Border

The CSS property to change the border of an element to Yxy 57.4751, 0.2780, 0.4684 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(73, 226, 132) }
```

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

```
.border{ border-color:rgb(73, 226, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 226, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 226, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 226, 132);  
box-shadow:4px 4px 4px 4px rgb(73, 226,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 57.4751, 0.2780, 0.4684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 226, 132) }
```

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

```
.background{ background-color: rgb(73, 226,  
132) }
```

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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