

Converting Colors

Yxy(56.5218, 0.3112, 0.5371)

Have a look what the booklet for
Yxy(56.5218, 0.3112, 0.5371)
contains.

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Color

Yxy(56.7519, 0.3109, 0.5371)

Conversions

Conversions Part 1

Format	Color
Hex	5EE14C
RGB	94, 225, 76
RGB Percent	37%, 88%, 30%
CMY	0.6311, 0.1177, 0.7019
CMYK	0.58, 0.00, 0.66, 0.12
HSL	113°, 71%, 59%
HSV	113°, 66%, 88%
XYZ	32.8508, 56.7519, 16.0609
YIQ	168.8450, -30.2470, -74.1110

Conversions

Conversions Part 2

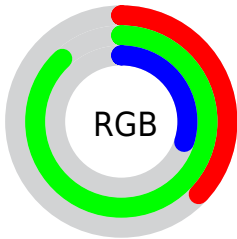
Format	Color
RYB	76, 225, 207
Decimal	6218060
CIELab	80.04, -63.07, 59.91
CIELCh	80, 86.993, 136.472
Yxy	56.7519, 0.3109, 0.5371
Android (android.graphics.Color)	4284408140 (0xFF5EE14C)
YUV	168.8450, -45.7726, -65.6391
Hunter-Lab	75.3339, -53.9958, 40.0933

Details

The Yxy color **56.7519, 0.3109, 0.5371** 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 **23.8630, 0.3005, 0.1712**, and the grayscale version is **39.8469, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.2266, 0.3190, 0.4777**, and **28.0228, 0.2991, 0.5966** is the 20% darker color. If you saturate the color by 10%, you get **55.5785, 0.3087, 0.5639**, and if you desaturate by 10%, it is **58.3073, 0.3125, 0.5052**.

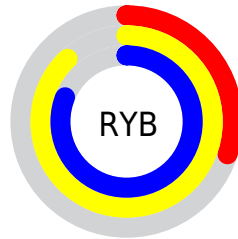
Distribution



Red (37%)

Green (88%)

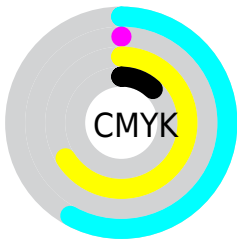
Blue (30%)



Red (30%)

Yellow (88%)

Blue (81%)

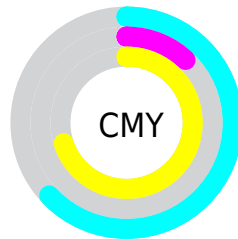


Cyan (58%)

Magenta (0%)

Yellow (66%)

Black (12%)



Cyan (63%)


Magenta (12%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.7519, 0.3109, 0.5371 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 56.7519, 0.3109, 0.5371 by changing the saturation by 10% instead.


 56.7519, 0.3109,
0.5371

 56.7519, 0.3109,
0.5371


412.5190, 0.3192,
0.4294

 40.8061, 0.3063,
0.5637


 100.1031, 0.3158,
0.4978

 28.1676, 0.2989,
0.5970


 128.2772, 0.3171,
0.4831

 18.4520, 0.2866,
0.6393


 161.2963, 0.3179,
0.4706

 11.2750, 0.2663,
0.6945

 199.5447, 0.3185,
0.4599

 6.2521, 0.2318,
0.7682

 243.4067, 0.3188,
0.4507

 2.9990, 0.1595,
0.8405

293.2669, 0.3190,

 1.1312, 0.0000,

0.4427

1.0000

349.5095, 0.3191,
0.4356

■ 0.0044, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 56.7519, 0.3109,
0.5371

■ 56.7519, 0.3109,
0.5371

■ 55.5785, 0.3087,
0.5639

■ 58.3073, 0.3125,
0.5052

■ 54.7469, 0.3061,
0.5835


■ 60.2663, 0.3136,
0.4708

■ 54.2208, 0.3035,
0.5950


■ 62.6575, 0.3141,
0.4361


■ 54.0860, 0.3027,
0.5979


■ 65.5048, 0.3141,
0.4028

 68.8302, 0.3138,
0.3722

 72.6544, 0.3132,
0.3445

 76.9969, 0.3124,
0.3201

 81.8111, 0.3122,
0.2998

 82.3293, 0.3141,
0.2999

Harmonies

Analogous

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



56.7519, 0.4110, 0.5199



56.7519, 0.3109, 0.5371



56.7519, 0.2163, 0.4518

Triad

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



56.7519, 0.3109, 0.5371



56.7519, 0.1466, 0.1795



56.7519, 0.4966, 0.3012

Complementary

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



56.7519, 0.3109, 0.5371



23.8630, 0.3005, 0.1712

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.



56.7519, 0.3951, 0.2380



56.7519, 0.3109, 0.5371



56.7519, 0.1938, 0.1714

Square

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



56.7519, 0.3109, 0.5371



56.7519, 0.1333, 0.2241



56.7519, 0.2795, 0.1921



56.7519, 0.5312, 0.3726

Rectangle

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



56.7519, 0.3109, 0.5371



56.7519, 0.1703, 0.3617



56.7519, 0.2795, 0.1921



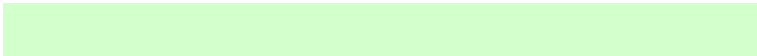
56.7519, 0.4682, 0.2789

Sweetspot

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



56.7543, 0.3109, 0.5371



89.6078, 0.3139, 0.3838



60.2552, 0.4168, 0.4632



18.9136, 0.3140, 0.3925



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.



56.7543, 0.3109, 0.5371



73.4003, 0.3079, 0.5713



57.0150, 0.2795, 0.4691



15.4164, 0.3134, 0.3531



31.1941, 0.3032, 0.5974



2.1888, 0.3106, 0.5916

Inverse Universe

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



23.8630, 0.3005, 0.1712



26.7367, 0.2965, 0.1520



24.0934, 0.3871, 0.2279



13.8469, 0.3119, 0.3058



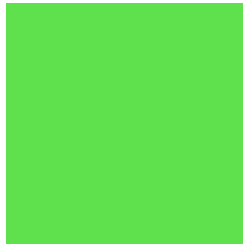
10.0642, 0.2906, 0.1375



0.7217, 0.2956, 0.1402

Previews

White Background



This preview shows how the Yxy color 56.7519, 0.3109, 0.5371 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 56.7519, 0.3109, 0.5371 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 56.7519, 0.3109, 0.5371

Background



This preview shows how black text looks on a background with the Yxy color 56.7519, 0.3109, 0.5371.

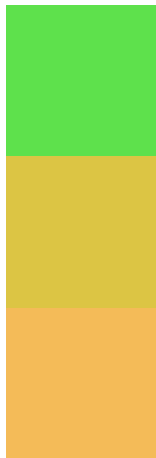


This preview shows how white text looks on a background with the Yxy color 56.7519, 0.3109, 0.5371.

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

56.7519, 0.3109, 0.5371

Protanopia

55.5655, 0.4224, 0.4645

Deuteranopia

55.4783, 0.4397, 0.4292



Tritanopia

56.1513, 0.2496, 0.3070

Trichromacy



Original Color

56.7519, 0.3109, 0.5371



Protanomaly

54.0793, 0.3745, 0.4951



Deuteranomaly

53.2322, 0.3845, 0.4708



Tritanomaly

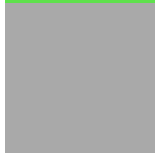
55.2243, 0.2740, 0.3898

Monochromacy



Original Color

56.7519, 0.3109, 0.5371



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

43.8952, 0.3145, 0.4093

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.7519, 0.3109, 0.5371 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(94, 225, 76)` looks like.

```
.text, #text, p{  
    color:rgb(94, 225, 76)  
}
```

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(94, 225, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 225, 76) }
```

Border

The CSS property to change the border of an element to Yxy 56.7519, 0.3109, 0.5371 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(94, 225, 76) }
```

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

```
.border{ border-color:rgb(94, 225, 76) }
```

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

Here you see how a box with a 4 pixel rgb(94, 225, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 225, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 225, 76);  
box-shadow:4px 4px 4px 4px rgb(94, 225,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 56.7519, 0.3109, 0.5371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 225, 76) }
```

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

```
.background{ background-color: rgb(94, 225,  
76) }
```

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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