

Converting Colors

Yxy(55.4518, 0.3116, 0.5908)

Have a look what the booklet for
Yxy(55.4518, 0.3116, 0.5908)
contains.

Yxy(55.4495, 0.3116, 0.5908)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(55.4495, 0.3116, 0.5908)

Conversions

Conversions Part 1

Format	Color
Hex	3FE200
RGB	63, 226, 0
RGB Percent	25%, 89%, 0%
CMY	0.7530, 0.1137, 1.0000
CMYK	0.72, 0.00, 1.00, 0.11
HSL	103°, 100%, 44%
HSV	103°, 100%, 89%
XYZ	29.2452, 55.4495, 9.1602
YIQ	151.4990, -24.6020, -104.8420

Conversions

Conversions Part 2

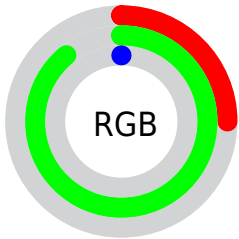
Format	Color
RYB	0, 226, 163
Decimal	4186624
CIELab	79.30, -73.22, 76.67
CIELCh	79, 106.020, 133.680
Yxy	55.4495, 0.3116, 0.5908
Android (android.graphics.Color)	4282376704 (0xFF3FE200)
YUV	151.4990, -74.6890, -77.6136
Hunter-Lab	74.4644, -60.2085, 44.8315

Details

The Yxy color **55.4495, 0.3116, 0.5908** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **13.2804, 0.2505, 0.1154**, and the grayscale version is **31.5068, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3428, 0.3249, 0.5297**, and **28.3759, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **55.4519, 0.3116, 0.5908**, and if you desaturate by 10%, it is **56.1304, 0.3163, 0.5802**.

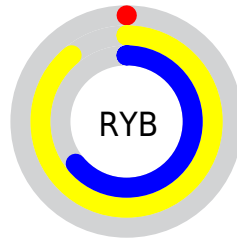
Distribution



Red (25%)

Green (89%)

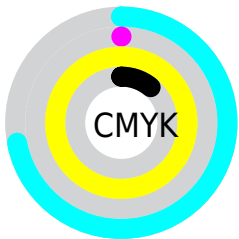
Blue (0%)



Red (0%)

Yellow (89%)

Blue (64%)

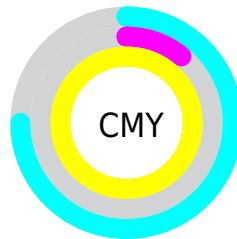


Cyan (72%)

Magenta (0%)

Yellow (100%)

Black (11%)



Cyan (75%)


Magenta (11%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.4495, 0.3116, 0.5908 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 55.4495, 0.3116, 0.5908 by changing the saturation by 10% instead.

 55.4495, 0.3116,
0.5908


 55.4495, 0.3116,
0.5908


407.6136, 0.3252,
0.4566

 39.7617, 0.3037,
0.6220

 98.1992, 0.3199,
0.5430

 27.3528, 0.2911,
0.6596


 126.0300, 0.3221,
0.5246

 17.8384, 0.2715,
0.7054


 158.6772, 0.3234,
0.5089


 10.8340, 0.2402,
0.7598

 196.5252, 0.3243,
0.4954

 5.9553, 0.1883,
0.8117

 239.9584, 0.3248,
0.4838

 2.8179, 0.0795,
0.9205

 289.3613, 0.3251,

 1.0374, 0.0000,

0.4735

1.0000

345.1182, 0.3252,
0.4645

■ 0.0000, 0.0000,
0.0000

■ 55.4495, 0.3116,
0.5908

■ 55.4495, 0.3116,
0.5908

■ 55.4519, 0.3116,
0.5908

■ 56.1304, 0.3163,
0.5802

■ 57.0511, 0.3204,
0.5631

■ 58.2481, 0.3232,
0.5394

■ 59.7448, 0.3246,
0.5105

■ 61.5618, 0.3247,
0.4786

■ 63.7179, 0.3236,
0.4456

■ 66.2300, 0.3216,
0.4132

■ 69.1141, 0.3189,
0.3826

■ 72.3849, 0.3159,
0.3544

Harmonies

Analogous

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



55.4495, 0.4268, 0.5425



55.4495, 0.3116, 0.5908



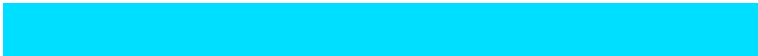
55.4495, 0.2021, 0.4995

Triad

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



55.4495, 0.3116, 0.5908



55.4495, 0.1188, 0.1567



55.4495, 0.5280, 0.2839

Complementary

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



55.4495, 0.3116, 0.5908



13.2804, 0.2505, 0.1154

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.



55.4495, 0.3978, 0.2155



55.4495, 0.3116, 0.5908



55.4495, 0.1664, 0.1465

Square

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



55.4495, 0.3116, 0.5908



55.4495, 0.1065, 0.2083



55.4495, 0.2596, 0.1670



55.4495, 0.5726, 0.3605

Rectangle

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



55.4495, 0.3116, 0.5908



55.4495, 0.1485, 0.3819



55.4495, 0.2596, 0.1670



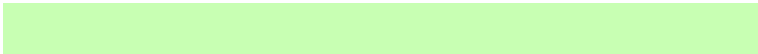
55.4495, 0.4911, 0.2598

Sweetspot

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



55.4519, 0.3116, 0.5908



87.0088, 0.3216, 0.4139



42.0000, 0.4810, 0.4563



18.3118, 0.3226, 0.4275



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.



55.4519, 0.3116, 0.5908



72.8619, 0.3112, 0.5911



54.6172, 0.2941, 0.5789



15.5212, 0.3157, 0.3529



31.6848, 0.3125, 0.5900



2.2403, 0.3239, 0.5810

Inverse Universe

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



13.2804, 0.2505, 0.1154



17.4028, 0.2501, 0.1151



19.3455, 0.3856, 0.1898



13.7337, 0.3094, 0.3056



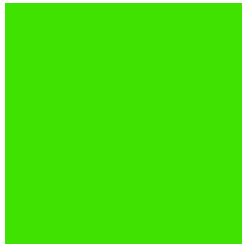
7.6383, 0.2516, 0.1160



0.5736, 0.2627, 0.1221

Previews

White Background



This preview shows how the Yxy color 55.4495, 0.3116, 0.5908 looks on a white background.

Color Contrast Check

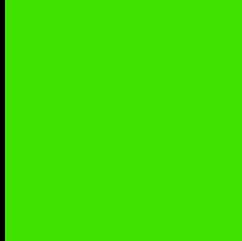
Large Text (above 18pt) WCAG AA × Fail

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 55.4495, 0.3116, 0.5908 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

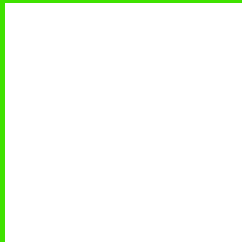
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.4495, 0.3116, 0.5908

Background



This preview shows how black text looks on a background with the Yxy color 55.4495, 0.3116, 0.5908.



This preview shows how white text looks on a background with the Yxy color 55.4495, 0.3116, 0.5908.

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

55.4495, 0.3116, 0.5908

Protanopia

54.2459, 0.4411, 0.4880

Deuteranopia

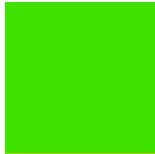
54.3238, 0.4620, 0.4519



Tritanopia

55.0187, 0.2422, 0.3065

Trichromacy



Original Color

55.4495, 0.3116, 0.5908



Protanomaly

51.9291, 0.3826, 0.5344



Deuteranomaly

50.9912, 0.3967, 0.5123



Tritanomaly

53.5050, 0.2790, 0.4363

Monochromacy



Original Color

55.4495, 0.3116, 0.5908



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

36.6073, 0.3244, 0.4632

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.4495, 0.3116, 0.5908 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(63, 226, 0)` looks like.

```
.text, #text, p{  
    color:rgb(63, 226, 0)  
}
```

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(63, 226, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 226, 0) }
```

Border

The CSS property to change the border of an element to Yxy 55.4495, 0.3116, 0.5908 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(63, 226, 0) }
```

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

```
.border{ border-color:rgb(63, 226, 0) }
```

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

Here you see how a box with a 4 pixel rgb(63, 226, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 226, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 226, 0);  
box-shadow:4px 4px 4px 4px rgb(63, 226, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 55.4495, 0.3116, 0.5908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 226, 0) }
```

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

```
.background{ background-color: rgb(63, 226,  
0) }
```

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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