

Converting Colors

$Yxy(55.3477, 0.3083, 0.5934)$

Have a look what the booklet for
Yxy(55.3477, 0.3083, 0.5934)
contains.

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Color

Yxy(55.1496, 0.3084, 0.5933)

Conversions

Conversions Part 1

Format	Color
Hex	35E200
RGB	53, 226, 0
RGB Percent	21%, 89%, 0%
CMY	0.7920, 0.1137, 0.9994
CMYK	0.77, 0.00, 1.00, 0.11
HSL	106°, 100%, 44%
HSV	106°, 100%, 89%
XYZ	28.6670, 55.1496, 9.1374
YIQ	148.5090, -30.5620, -106.9620

Conversions

Conversions Part 2

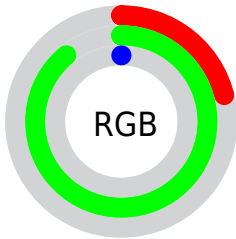
Format	Color
RYB	0, 226, 173
Decimal	3531264
CIELab	79.13, -74.72, 76.45
CIELCh	79, 106.899, 134.343
Yxy	55.1496, 0.3084, 0.5933
Android (android.graphics.Color)	4281721344 (0xFF35E200)
YUV	148.5090, -73.2149, -83.7614
Hunter-Lab	74.2628, -61.0551, 44.6888

Details

The Yxy color **55.1496, 0.3084, 0.5933** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **14.3896, 0.2615, 0.1215**, and the grayscale version is **30.1747, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8590, 0.3217, 0.5317**, and **28.3759, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **55.1486, 0.3084, 0.5934**, and if you desaturate by 10%, it is **55.7696, 0.3126, 0.5830**.

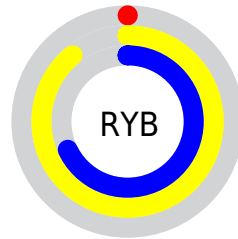
Distribution



Red (21%)

Green (89%)

Blue (0%)



Red (0%)

Yellow (89%)

Blue (68%)

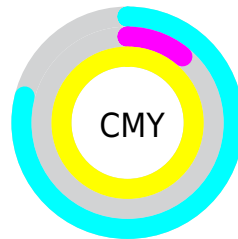


Cyan (77%)

Magenta (0%)

Yellow (100%)

Black (11%)



Cyan (79%)

Magenta (11%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.1496, 0.3084, 0.5933 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 55.1496, 0.3084, 0.5933 by changing the saturation by 10% instead.


 55.1496, 0.3084,
0.5933


 55.1496, 0.3084,
0.5933

406.4788, 0.3237,
0.4573

 39.5215, 0.3001,
0.6251

 97.7601, 0.3174,
0.5448

 27.1657, 0.2870,
0.6633


 125.5113, 0.3197,
0.5261


 17.6977, 0.2667,
0.7101


 158.0723, 0.3213,
0.5103

 10.7332, 0.2344,
0.7656

 195.8276, 0.3223,
0.4966

 5.8877, 0.1817,
0.8183

 239.1615, 0.3229,
0.4848

 2.7769, 0.0636,
0.9364

 288.4584, 0.3233,

 1.0164, 0.0000,

0.4745

1.0000

344.1027, 0.3236,
0.4654

■ 0.0000, 0.0000,
0.0000

■ 55.1496, 0.3084,
0.5933

■ 55.1496, 0.3084,
0.5933

■ 55.1486, 0.3084,
0.5934

■ 55.7696, 0.3126,
0.5830

■ 56.6438, 0.3164,
0.5659

■ 57.8114, 0.3192,
0.5418

■ 59.2986, 0.3209,
0.5125

■ 61.1281, 0.3214,
0.4799

■ 63.3206, 0.3208,
0.4464

■ 65.8949, 0.3194,
0.4136

■ 68.8688, 0.3175,
0.3826

■ 72.2585, 0.3152,
0.3543

Harmonies

Analogous

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



55.1496, 0.4245, 0.5457



55.1496, 0.3084, 0.5933



55.1496, 0.1988, 0.4978

Triad

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



55.1496, 0.3084, 0.5933



55.1496, 0.1182, 0.1548



55.1496, 0.5322, 0.2849

Complementary

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



55.1496, 0.3084, 0.5933



14.3896, 0.2615, 0.1215

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.



55.1496, 0.4018, 0.2159



55.1496, 0.3084, 0.5933



55.1496, 0.1668, 0.1455

Square

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



55.1496, 0.3084, 0.5933



55.1496, 0.1051, 0.2054



55.1496, 0.2617, 0.1666



55.1496, 0.5745, 0.3619

Rectangle

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



55.1496, 0.3084, 0.5933



55.1496, 0.1457, 0.3783



55.1496, 0.2617, 0.1666



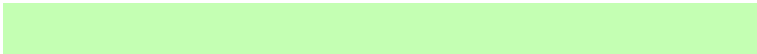
55.1496, 0.4955, 0.2607

Sweetspot

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



55.1519, 0.3084, 0.5933



86.5465, 0.3195, 0.4144



44.7456, 0.4724, 0.4630



18.2048, 0.3201, 0.4282



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.



55.1519, 0.3084, 0.5933



72.4723, 0.3080, 0.5936



54.6858, 0.2924, 0.5725



15.4914, 0.3151, 0.3530



31.5069, 0.3092, 0.5927



2.2244, 0.3199, 0.5842

Inverse Universe

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



14.3896, 0.2615, 0.1215



18.8581, 0.2611, 0.1212



19.0569, 0.3974, 0.1963



13.7654, 0.3101, 0.3056



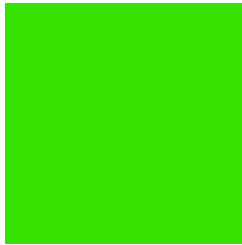
8.2617, 0.2625, 0.1219



0.6123, 0.2719, 0.1271

Previews

White Background



This preview shows how the Yxy color 55.1496, 0.3084, 0.5933 looks on a white background.

Color Contrast Check

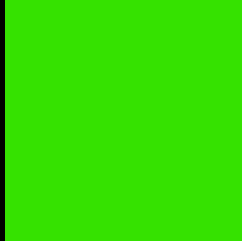
Large Text (above 18pt) WCAG AA × Fail

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 55.1496, 0.3084, 0.5933 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 55.1496, 0.3084, 0.5933

Background



This preview shows how black text looks on a background with the Yxy color 55.1496, 0.3084, 0.5933.



This preview shows how white text looks on a background with the Yxy color 55.1496, 0.3084, 0.5933.

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

55.1496, 0.3084, 0.5933

Protanopia

54.0903, 0.4402, 0.4887

Deuteranopia

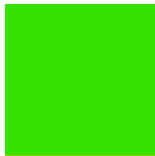
53.7275, 0.4621, 0.4516



Tritanopia

54.7034, 0.2400, 0.3064

Trichromacy



Original Color

55.1496, 0.3084, 0.5933



Protanomaly

51.5135, 0.3792, 0.5371



Deuteranomaly

50.0597, 0.3939, 0.5142



Tritanomaly

53.1823, 0.2752, 0.4357

Monochromacy



Original Color

55.1496, 0.3084, 0.5933



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

35.8479, 0.3211, 0.4655

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.1496, 0.3084, 0.5933 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(53, 226, 0)` looks like.

```
.text, #text, p{  
    color:rgb(53, 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(53, 226, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 226, 0) }
```

Border

The CSS property to change the border of an element to Yxy 55.1496, 0.3084, 0.5933 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(53, 226, 0) }
```

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

```
.border{ border-color:rgb(53, 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(53, 226, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 226, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 226, 0);  
box-shadow:4px 4px 4px 4px rgb(53, 226, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 55.1496, 0.3084, 0.5933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 226, 0) }
```

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

```
.background{ background-color: rgb(53, 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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