

Converting Colors

Yxy(55.1857, 0.3181, 0.5856)

Have a look what the booklet for
Yxy(55.1857, 0.3181, 0.5856)
contains.

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Color

Yxy(54.9736, 0.3182, 0.5855)

Conversions

Conversions Part 1

Format	Color
Hex	4FE000
RGB	79, 224, 0
RGB Percent	31%, 88%, 0%
CMY	0.6905, 0.1215, 0.9991
CMYK	0.65, 0.00, 1.00, 0.12
HSL	99°, 100%, 44%
HSV	99°, 100%, 88%
XYZ	29.8763, 54.9736, 9.0418
YIQ	155.1090, -14.5160, -100.4040

Conversions

Conversions Part 2

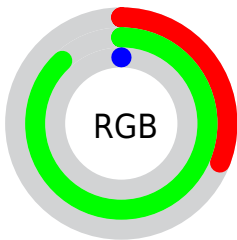
Format	Color
RYB	0, 224, 145
Decimal	5234688
CIELab	79.03, -69.63, 76.58
CIELCh	79, 103.505, 132.278
Yxy	54.9736, 0.3182, 0.5855
Android (android.graphics.Color)	4283424768 (0xFF4FE000)
YUV	155.1090, -76.4687, -66.7476
Hunter-Lab	74.1442, -57.8259, 44.6706

Details

The Yxy color **54.9736, 0.3182, 0.5855** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **11.4344, 0.2332, 0.1058**, and the grayscale version is **33.1829, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3029, 0.3310, 0.5258**, and **27.6374, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **54.9694, 0.3181, 0.5856**, and if you desaturate by 10%, it is **55.7273, 0.3234, 0.5746**.

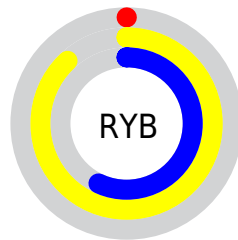
Distribution



Red (31%)

Green (88%)

Blue (0%)



Red (0%)

Yellow (88%)

Blue (57%)

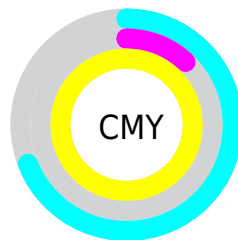


Cyan (65%)

Magenta (0%)

Yellow (100%)

Black (12%)



Cyan (69%)


Magenta (12%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.9736, 0.3182, 0.5855 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 54.9736, 0.3182, 0.5855 by changing the saturation by 10% instead.


 54.9736, 0.3182,
0.5855

 54.9736, 0.3182,
0.5855


405.8118, 0.3284,
0.4544

 39.3806, 0.3111,
0.6159


 97.5023, 0.3253,
0.5389


 27.0559, 0.2995,
0.6523


 125.2067, 0.3270,
0.5210


 17.6152, 0.2812,
0.6968


 157.7171, 0.3279,
0.5057

 10.6741, 0.2510,
0.7490

 195.4178, 0.3285,
0.4925

 5.8481, 0.2004,
0.7996

 238.6933, 0.3287,
0.4811

 2.7530, 0.0989,
0.9011

 287.9278, 0.3287,

 1.0042, 0.0000,

0.4711

1.0000

343.5059, 0.3286,
0.4623

■ 0.0000, 0.0000,
0.0000

■ 54.9736, 0.3182,
0.5855

■ 54.9736, 0.3182,
0.5855

■ 54.9694, 0.3181,
0.5856

■ 55.7273, 0.3234,
0.5746

■ 56.6923, 0.3276,
0.5576

■ 57.9004, 0.3302,
0.5344

■ 59.3712, 0.3311,
0.5064

■ 61.1222, 0.3303,
0.4755

■ 63.1687, 0.3282,
0.4435

■ 65.5251, 0.3251,
0.4119

■ 68.2046, 0.3212,
0.3819

■ 71.2197, 0.3170,
0.3541

Harmonies

Analogous

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



54.9736, 0.4315, 0.5358



54.9736, 0.3182, 0.5855



54.9736, 0.2091, 0.5026

Triad

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



54.9736, 0.3182, 0.5855



54.9736, 0.1201, 0.1607



54.9736, 0.5192, 0.2818

Complementary

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



54.9736, 0.3182, 0.5855



11.4344, 0.2332, 0.1058

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.



54.9736, 0.3895, 0.2146



54.9736, 0.3182, 0.5855



54.9736, 0.1655, 0.1488

Square

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



54.9736, 0.3182, 0.5855



54.9736, 0.1096, 0.2145



54.9736, 0.2553, 0.1677



54.9736, 0.5684, 0.3576

Rectangle

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



54.9736, 0.3182, 0.5855



54.9736, 0.1545, 0.3891



54.9736, 0.2553, 0.1677



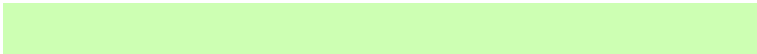
54.9736, 0.4818, 0.2580

Sweetspot

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



54.9759, 0.3182, 0.5855



87.7912, 0.3252, 0.4129



35.1813, 0.5035, 0.4383



18.4937, 0.3266, 0.4262



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.



54.9759, 0.3182, 0.5855



73.6778, 0.3177, 0.5860



53.4118, 0.2974, 0.5906



15.5705, 0.3168, 0.3529



32.0513, 0.3192, 0.5848



2.2704, 0.3312, 0.5752

Inverse Universe

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



11.4344, 0.2332, 0.1058



15.2535, 0.2325, 0.1054



19.7563, 0.3582, 0.1747



13.6819, 0.3082, 0.3055



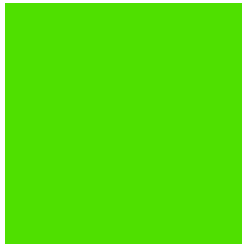
6.7147, 0.2344, 0.1065



0.5149, 0.2478, 0.1139

Previews

White Background



This preview shows how the Yxy color 54.9736, 0.3182, 0.5855 looks on a white background.

Color Contrast Check

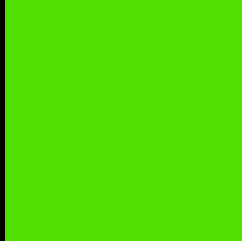
Large Text (above 18pt) WCAG AA × Fail

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 54.9736, 0.3182, 0.5855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

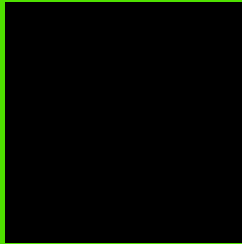
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

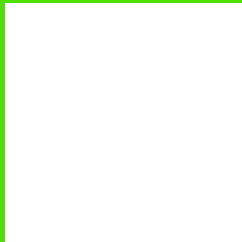
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.9736, 0.3182, 0.5855

Background



This preview shows how black text looks on a background with the Yxy color 54.9736, 0.3182, 0.5855.



This preview shows how white text looks on a background with the Yxy color 54.9736, 0.3182, 0.5855.

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

54.9736, 0.3182, 0.5855

Protanopia

54.0903, 0.4402, 0.4887

Deuteranopia

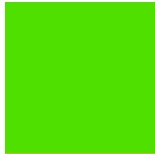
53.7193, 0.4625, 0.4520



Tritanopia

54.4699, 0.2463, 0.3066

Trichromacy



Original Color

54.9736, 0.3182, 0.5855



Protanomaly

52.4674, 0.3868, 0.5310



Deuteranomaly

51.1309, 0.4021, 0.5087



Tritanomaly

53.0194, 0.2842, 0.4341

Monochromacy



Original Color

54.9736, 0.3182, 0.5855



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

38.0554, 0.3289, 0.4580

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.9736, 0.3182, 0.5855 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(79, 224, 0)` looks like.

```
.text, #text, p{  
    color:rgb(79, 224, 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(79, 224, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 224, 0) }
```

Border

The CSS property to change the border of an element to Yxy 54.9736, 0.3182, 0.5855 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(79, 224, 0) }
```

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

```
.border{ border-color:rgb(79, 224, 0) }
```

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

Here you see how a box with a 4 pixel rgb(79, 224, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 224, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 224, 0);  
box-shadow:4px 4px 4px 4px rgb(79, 224, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 54.9736, 0.3182, 0.5855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 224, 0) }
```

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

```
.background{ background-color: rgb(79, 224,  
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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