

Converting Colors

Yxy(31.8439, 0.3304, 0.5584)

Have a look what the booklet for
Yxy(31.8439, 0.3304, 0.5584)
contains.

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Color

Yxy(31.8607, 0.3302, 0.5589)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 54AD1D |
| RGB | 84, 173, 29 |
| RGB Percent | 33%, 68%, 11% |
| CMY | 0.6705, 0.3216, 0.8861 |
| CMYK | 0.51, 0.00, 0.83, 0.32 |
| HSL | 97°, 71%, 40% |
| HSV | 97°, 83%, 68% |
| XYZ | 18.8234, 31.8607, 6.3220 |
| YIQ | 129.9730, -6.8200, -63.6520 |

Conversions

Conversions Part 2

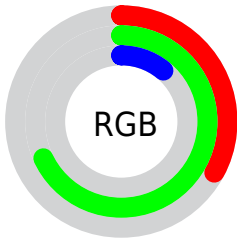
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 29, 173, 118 |
| Decimal | 5549341 |
| CIELab | 63.23, -50.05, 59.15 |
| CIElCh | 63, 77.489, 130.236 |
| Yxy | 31.8607, 0.3302, 0.5589 |
| Android (android.graphics.Color) | 4283739421 (0xFF54AD1D) |
| YUV | 129.9730, -49.7797, -40.3183 |
| Hunter-Lab | 56.4453, -39.2530, 32.8711 |

Details

The Yxy color **31.8607, 0.3302, 0.5589** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **7.7502, 0.2437, 0.1222**, and the grayscale version is **22.4986, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.4940, 0.3340, 0.5099**, and **13.4975, 0.3029, 0.5977** is the 20% darker color. If you saturate the color by 10%, you get **31.3426, 0.3258, 0.5743**, and if you desaturate by 10%, it is **32.5049, 0.3329, 0.5375**.

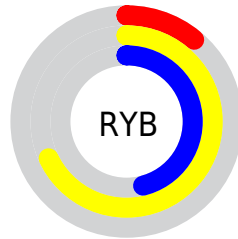
Distribution



Red (33%)

Green (68%)

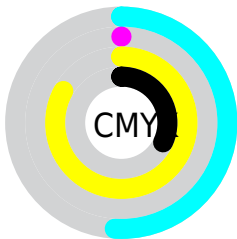
Blue (11%)



Red (11%)

Yellow (68%)

Blue (46%)

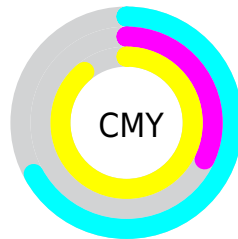


Cyan (51%)

Magenta (0%)

Yellow (83%)

Black (32%)



Cyan (67%)


Magenta (32%)

Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.8607, 0.3302, 0.5589 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 31.8607, 0.3302, 0.5589 by changing the saturation by 10% instead.


 31.8607, 0.3302,
0.5589


 31.8607, 0.3302,
0.5589


310.4842, 0.3310,
0.4311


 21.2551, 0.3247,
0.5925


 62.5926, 0.3340,
0.5104

 13.3106, 0.3136,
0.6349


 83.4878, 0.3342,
0.4927


 7.6428, 0.2978,
0.7022


 108.5816, 0.3340,
0.4779

 3.8672, 0.2490,
0.7510

 138.2585, 0.3336,
0.4655

 1.5996, 0.0960,
0.9040

 172.9028, 0.3330,
0.4550

 0.3573, 0.0000,
1.0000

 212.8989, 0.3324,

 0.0000, 0.0000,

0.4459

0.0000

258.6312, 0.3317,
0.4380

■ 31.8607, 0.3302,
0.5589

■ 31.8607, 0.3302,
0.5589

■ 31.3426, 0.3258,
0.5743

■ 32.5049, 0.3329,
0.5375

■ 31.0482, 0.3224,
0.5822

■ 33.2814, 0.3339,
0.5113

■ 34.2003, 0.3331,
0.4819

■ 35.2697, 0.3309,
0.4510

■ 36.4969, 0.3276,
0.4200

■ 37.8887, 0.3235,
0.3902

■ 39.4513, 0.3190,
0.3623

■ 41.1908, 0.3143,
0.3367

■ 43.1128, 0.3095,
0.3135

Harmonies

Analogous

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



31.8607, 0.4344, 0.5171



31.8607, 0.3302, 0.5589



31.8607, 0.2270, 0.4909

Triad

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



31.8607, 0.3302, 0.5589



31.8607, 0.1318, 0.1761



31.8607, 0.4927, 0.2832

Complementary

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



31.8607, 0.3302, 0.5589



7.7502, 0.2437, 0.1222

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.



31.8607, 0.3740, 0.2202



31.8607, 0.3302, 0.5589



31.8607, 0.1729, 0.1616

Square

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



31.8607, 0.3302, 0.5589



31.8607, 0.1245, 0.2317



31.8607, 0.2541, 0.1774



31.8607, 0.5459, 0.3556

Rectangle

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



31.8607, 0.3302, 0.5589



31.8607, 0.1732, 0.3944



31.8607, 0.2541, 0.1774



31.8607, 0.4575, 0.2606

Sweetspot

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



31.8621, 0.3302, 0.5589



67.2770, 0.3245, 0.3967



21.8864, 0.4789, 0.4384



14.4347, 0.3259, 0.4068



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.8621, 0.3302, 0.5589



55.4912, 0.3213, 0.5831



30.3449, 0.2959, 0.5633



9.0829, 0.3172, 0.3520



22.8402, 0.3232, 0.5816



0.6674, 0.3490, 0.5611

Inverse Universe

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



7.7502, 0.2437, 0.1222



10.8659, 0.2261, 0.1019



12.1721, 0.3458, 0.1777



7.9930, 0.3079, 0.3062



4.5429, 0.2286, 0.1033



0.1565, 0.2571, 0.1190

Previews

White Background



This preview shows how the Yxy color 31.8607, 0.3302, 0.5589 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 31.8607, 0.3302, 0.5589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

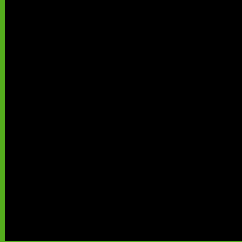
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.8607, 0.3302, 0.5589

Background



This preview shows how black text looks on a background with the Yxy color 31.8607, 0.3302, 0.5589.



This preview shows how white text looks on a background with the Yxy color 31.8607, 0.3302, 0.5589.

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

31.8607, 0.3302, 0.5589

Protanopia

31.1763, 0.4355, 0.4819

Deuteranopia

31.2123, 0.4564, 0.4461



Tritanopia

31.6715, 0.2571, 0.3078

Trichromacy



Original Color

31.8607, 0.3302, 0.5589

Protanomaly

30.7008, 0.3918, 0.5142

Deuteranomaly

30.2646, 0.4055, 0.4902

Tritanomaly

30.9434, 0.2906, 0.4077

Monochromacy



Original Color

31.8607, 0.3302, 0.5589

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

24.8588, 0.3283, 0.4281

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8607, 0.3302, 0.5589 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(84, 173, 29)` looks like.

```
.text, #text, p{  
    color:rgb(84, 173, 29)  
}
```

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(84, 173, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 173, 29) }
```

Border

The CSS property to change the border of an element to Yxy 31.8607, 0.3302, 0.5589 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(84, 173, 29) }
```

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

```
.border{ border-color:rgb(84, 173, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 173, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 173, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 173, 29);  
box-shadow:4px 4px 4px 4px rgb(84, 173,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8607, 0.3302, 0.5589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 173, 29) }
```

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

```
.background{ background-color: rgb(84, 173,  
29) }
```

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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