

Converting Colors

Yxy(32.1346, 0.3383, 0.5696)

Have a look what the booklet for
Yxy(32.1346, 0.3383, 0.5696)
contains.

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Color

Yxy(31.9618, 0.3381, 0.5697)

Conversions

Conversions Part 1

Format	Color
Hex	58AD00
RGB	88, 173, 0
RGB Percent	35%, 68%, 0%
CMY	0.6549, 0.3216, 0.9995
CMYK	0.49, 0.00, 1.00, 0.32
HSL	90°, 100%, 34%
HSV	90°, 100%, 68%
XYZ	18.9684, 31.9618, 5.1727
YIQ	127.8630, 4.8730, -71.8230

Conversions

Conversions Part 2

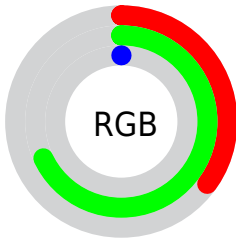
Format	Color
RYB	0, 173, 85
Decimal	5811456
CIELab	63.31, -49.67, 64.31
CIELCh	63, 81.256, 127.680
Yxy	31.9618, 0.3381, 0.5697
Android (android.graphics.Color)	4284001536 (0xFF58AD00)
YUV	127.8630, -63.0365, -34.9599
Hunter-Lab	56.5348, -39.0461, 34.1496

Details

The Yxy color **31.9618, 0.3381, 0.5697** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **4.9575, 0.2013, 0.0883**, and the grayscale version is **21.7634, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.6576, 0.3418, 0.5205**, and **13.5615, 0.3058, 0.5954** is the 20% darker color. If you saturate the color by 10%, you get **31.9598, 0.3381, 0.5698**, and if you desaturate by 10%, it is **32.4444, 0.3428, 0.5581**.

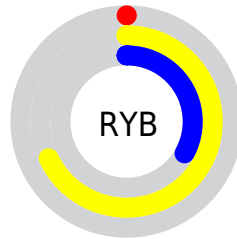
Distribution



Red (35%)

Green (68%)

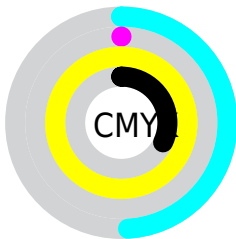
Blue (0%)



Red (0%)

Yellow (68%)

Blue (33%)

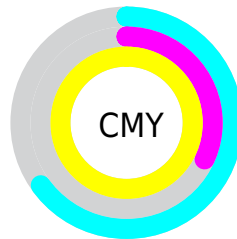


Cyan (49%)

Magenta (0%)

Yellow (100%)

Black (32%)



Cyan (65%)


Magenta (32%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.9618, 0.3381, 0.5697 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 31.9618, 0.3381, 0.5697 by changing the saturation by 10% instead.


 31.9618, 0.3381,
0.5697


 31.9618, 0.3381,
0.5697


310.9452, 0.3366,
0.4376


 21.3323, 0.3322,
0.6031


 62.7512, 0.3417,
0.5204

 13.3671, 0.3205,
0.6446


 83.6799, 0.3416,
0.5021

 7.6818, 0.2996,
0.7004


 108.8105, 0.3411,
0.4867

 3.8920, 0.2513,
0.7487

 138.5273, 0.3403,
0.4738

 1.6134, 0.1045,
0.8955

 173.2148, 0.3395,
0.4627

 0.3666, 0.0000,
1.0000


 213.2574, 0.3385,

 0.0000, 0.0000,


0.4532

0.0000


 259.0394, 0.3375,
0.4449


 31.9618, 0.3381,
0.5697


 31.9618, 0.3381,
0.5697


 31.9598, 0.3381,
0.5698

 32.4444, 0.3428,
0.5581

 33.0120, 0.3459,
0.5420

 33.6817, 0.3469,
0.5206

 34.4615, 0.3457,
0.4952

 35.3583, 0.3427,
0.4671

■ 36.3786, 0.3381,
0.4378

■ 37.5280, 0.3324,
0.4085

■ 38.8118, 0.3261,
0.3802

■ 40.2350, 0.3194,
0.3535

Harmonies

Analogous

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



31.9618, 0.4451, 0.5159



31.9618, 0.3381, 0.5697



31.9618, 0.2306, 0.5110

Triad

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



31.9618, 0.3381, 0.5697



31.9618, 0.1241, 0.1734



31.9618, 0.4922, 0.2746

Complementary

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



31.9618, 0.3381, 0.5697



4.9575, 0.2013, 0.0883

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.



31.9618, 0.3648, 0.2114



31.9618, 0.3381, 0.5697



31.9618, 0.1628, 0.1560

Square

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



31.9618, 0.3381, 0.5697



31.9618, 0.1192, 0.2344



31.9618, 0.2425, 0.1698



31.9618, 0.5544, 0.3478

Rectangle

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



31.9618, 0.3381, 0.5697



31.9618, 0.1732, 0.4109



31.9618, 0.2425, 0.1698



31.9618, 0.4536, 0.2519

Sweetspot

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



31.9632, 0.3381, 0.5697



67.0786, 0.3328, 0.4102



15.1765, 0.5447, 0.4056



14.3907, 0.3352, 0.4221



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.



31.9632, 0.3381, 0.5697



57.1080, 0.3369, 0.5707



29.9080, 0.3004, 0.5996



9.1319, 0.3190, 0.3519



23.5125, 0.3388, 0.5692



0.6866, 0.3626, 0.5503

Inverse Universe

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



4.9575, 0.2013, 0.0883



8.7404, 0.1995, 0.0873



11.5796, 0.3168, 0.1519



7.9433, 0.3060, 0.3061



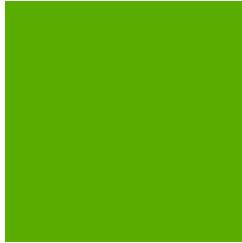
3.6715, 0.2023, 0.0888



0.1348, 0.2369, 0.1079

Previews

White Background



This preview shows how the Yxy color 31.9618, 0.3381, 0.5697 looks on a white background.

Color Contrast Check

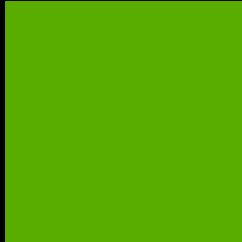
Large Text (above 18pt) WCAG AA × Fail

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 31.9618, 0.3381, 0.5697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

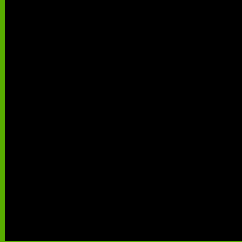
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.9618, 0.3381, 0.5697

Background



This preview shows how black text looks on a background with the Yxy color 31.9618, 0.3381, 0.5697.



This preview shows how white text looks on a background with the Yxy color 31.9618, 0.3381, 0.5697.

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

31.9618, 0.3381, 0.5697

Protanopia

31.5531, 0.4400, 0.4888

Deuteranopia

31.5786, 0.4613, 0.4528



Tritanopia

31.9252, 0.2599, 0.3080

Trichromacy



Original Color

31.9618, 0.3381, 0.5697

Protanomaly

30.8043, 0.3988, 0.5215

Deuteranomaly

30.3706, 0.4140, 0.4991

Tritanomaly

30.9415, 0.3014, 0.4255

Monochromacy



Original Color

31.9618, 0.3381, 0.5697

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

24.0664, 0.3388, 0.4454

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9618, 0.3381, 0.5697 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(88, 173, 0)` looks like.

```
.text, #text, p{  
    color:rgb(88, 173, 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(88, 173, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 173, 0) }
```

Border

The CSS property to change the border of an element to Yxy 31.9618, 0.3381, 0.5697 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(88, 173, 0) }
```

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

```
.border{ border-color:rgb(88, 173, 0) }
```

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

Here you see how a box with a 4 pixel rgb(88, 173, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 173, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 173, 0);  
box-shadow:4px 4px 4px 4px rgb(88, 173, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 31.9618, 0.3381, 0.5697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 173, 0) }
```

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

```
.background{ background-color: rgb(88, 173,  
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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