

Converting Colors

Yxy(31.5869, 0.3056, 0.4817)

Have a look what the booklet for
Yxy(31.5869, 0.3056, 0.4817)
contains.

Yxy(31.4476, 0.3063, 0.4819)	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(31.4476, 0.3063, 0.4819)

Conversions

Conversions Part 1

Format	Color
Hex	57AA56
RGB	87, 170, 86
RGB Percent	34%, 67%, 34%
CMY	0.6586, 0.3333, 0.6627
CMYK	0.49, 0.00, 0.49, 0.33
HSL	119°, 33%, 50%
HSV	119°, 49%, 67%
XYZ	19.9884, 31.4476, 13.8215
YIQ	135.6070, -22.5040, -43.7200

Conversions

Conversions Part 2

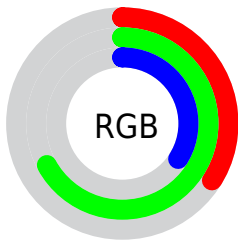
Format	Color
RYB	86, 170, 169
Decimal	5745238
CIELab	62.88, -42.68, 35.49
CIELCh	63, 55.508, 140.253
Yxy	31.4476, 0.3063, 0.4819
Android (android.graphics.Color)	4283935318 (0xFF57AA56)
YUV	135.6070, -24.4563, -42.6283
Hunter-Lab	56.0782, -34.5126, 24.6415

Details

The Yxy color **31.4476, 0.3063, 0.4819** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **17.9889, 0.3169, 0.2116**, and the grayscale version is **24.5703, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.9496, 0.3102, 0.4483**, and **13.0892, 0.2961, 0.5423** is the 20% darker color. If you saturate the color by 10%, you get **30.4899, 0.3047, 0.5163**, and if you desaturate by 10%, it is **32.6611, 0.3079, 0.4466**.

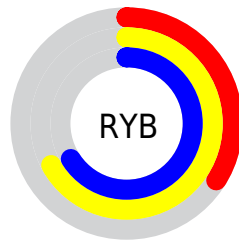
Distribution



Red (34%)

Green (67%)

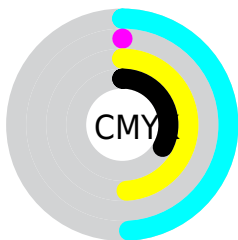
Blue (34%)



Red (34%)

Yellow (67%)

Blue (66%)

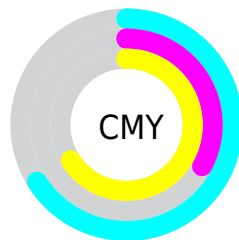


Cyan (49%)

Magenta (0%)

Yellow (49%)

Black (33%)



Cyan (66%)

Magenta (33%)

Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.4476, 0.3063, 0.4819 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 31.4476, 0.3063, 0.4819 by changing the saturation by 10% instead.


 31.4476, 0.3063,
0.4819


 31.4476, 0.3063,
0.4819


308.5951, 0.3134,
0.3952

 20.9399, 0.3026,
0.5071


 61.9441, 0.3101,
0.4478


 13.0801, 0.2963,
0.5415


 82.7017, 0.3112,
0.4358

 7.4837, 0.2847,
0.5906


 107.6447, 0.3119,
0.4259

 3.7664, 0.2683,
0.6816

 137.1576, 0.3124,
0.4177

 1.5438, 0.1689,
0.8311

 171.6247, 0.3128,
0.4108

 0.3192, 0.0000,
1.0000


211.4303, 0.3130,


 0.0000, 0.0000,


0.4049


0.0000


256.9590, 0.3132,
0.3997

 31.4476, 0.3063,
0.4819

 31.4476, 0.3063,
0.4819


 30.4899, 0.3047,
0.5163


 32.6611, 0.3079,
0.4466


 29.7661, 0.3032,
0.5474

 34.1426, 0.3093,
0.4126

 29.2572, 0.3019,
0.5724


 35.9082, 0.3106,
0.3810

 28.9397, 0.3009,
0.5895

 37.9717, 0.3118,
0.3526

 28.7706, 0.3003,
0.5992


 40.3460, 0.3128,
0.3276

 28.7620, 0.3003,
0.5998

 43.0431, 0.3136,
0.3058

 46.0745, 0.3143,
0.2870

 49.4512, 0.3149,
0.2709

 53.1835, 0.3154,
0.2570

Harmonies

Analogous

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



31.4476, 0.3886, 0.4868



31.4476, 0.3063, 0.4819



31.4476, 0.2302, 0.4099

Triad

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



31.4476, 0.3063, 0.4819



31.4476, 0.1792, 0.2051



31.4476, 0.4631, 0.3178

Complementary

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



31.4476, 0.3063, 0.4819



17.9889, 0.3169, 0.2116

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.



31.4476, 0.3895, 0.2620



31.4476, 0.3063, 0.4819



31.4476, 0.2242, 0.2000

Square

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



31.4476, 0.3063, 0.4819



31.4476, 0.1645, 0.2409



31.4476, 0.2986, 0.2204



31.4476, 0.4864, 0.3799

Rectangle

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



31.4476, 0.3063, 0.4819



31.4476, 0.1934, 0.3441



31.4476, 0.2986, 0.2204



31.4476, 0.4430, 0.2981

Sweetspot

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



31.4489, 0.3063, 0.4819



66.6354, 0.3111, 0.3689



37.4440, 0.3847, 0.4450



14.6937, 0.3109, 0.3748



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.



31.4489, 0.3063, 0.4819



55.2229, 0.3046, 0.5185



32.2491, 0.2777, 0.4068



8.4120, 0.3118, 0.3523



21.1603, 0.3003, 0.5997



0.5162, 0.3020, 0.5985

Inverse Universe

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



17.9889, 0.3169, 0.2116



27.9921, 0.3175, 0.1912



16.7981, 0.3758, 0.2642



7.6618, 0.3136, 0.3067



8.2520, 0.3179, 0.1525



0.2022, 0.3190, 0.1531

Previews

White Background



This preview shows how the Yxy color 31.4476, 0.3063, 0.4819 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 31.4476, 0.3063, 0.4819 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 31.4476, 0.3063, 0.4819

Background



This preview shows how black text looks on a background with the Yxy color 31.4476, 0.3063, 0.4819.



This preview shows how white text looks on a background with the Yxy color 31.4476, 0.3063, 0.4819.

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

31.4476, 0.3063, 0.4819

Protanopia

30.9279, 0.3983, 0.4329

Deuteranopia

30.7865, 0.4102, 0.4018



Tritanopia

31.1620, 0.2561, 0.3077

Trichromacy



Original Color

31.4476, 0.3063, 0.4819



Protanomaly

30.4662, 0.3601, 0.4528



Deuteranomaly

29.8166, 0.3670, 0.4299



Tritanomaly

31.0707, 0.2747, 0.3691

Monochromacy



Original Color

31.4476, 0.3063, 0.4819



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

26.3394, 0.3102, 0.3830

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4476, 0.3063, 0.4819 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(87, 170, 86)` looks like.

```
.text, #text, p{  
    color:rgb(87, 170, 86)  
}
```

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(87, 170, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 170, 86) }
```

Border

The CSS property to change the border of an element to Yxy 31.4476, 0.3063, 0.4819 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(87, 170, 86) }
```

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

```
.border{ border-color:rgb(87, 170, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 170, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 170, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 170, 86);  
box-shadow:4px 4px 4px 4px rgb(87, 170,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4476, 0.3063, 0.4819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 170, 86) }
```

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

```
.background{ background-color: rgb(87, 170,  
86) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor