

Converting Colors

$Yxy(31.2168, 0.3418, 0.4638)$

Have a look what the booklet for
Yxy(31.2168, 0.3418, 0.4638)
contains.

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Color

Yxy(31.1040, 0.3426, 0.4639)

Conversions

Conversions Part 1

Format	Color
Hex	7CA353
RGB	124, 163, 83
RGB Percent	49%, 64%, 33%
CMY	0.5137, 0.3608, 0.6746
CMYK	0.24, 0.00, 0.49, 0.36
HSL	89°, 33%, 48%
HSV	89°, 49%, 64%
XYZ	22.9710, 31.1040, 12.9740
YIQ	142.2190, 2.4360, -33.1480

Conversions

Conversions Part 2

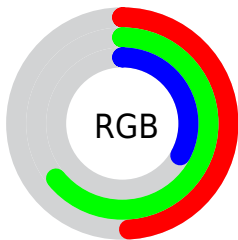
Format	Color
RYB	83, 163, 122
Decimal	8168275
CIELab	62.60, -27.33, 37.09
CIELCh	63, 46.072, 126.379
Yxy	31.1040, 0.3426, 0.4639
Android (android.graphics.Color)	4286358355 (0xFF7CA353)
YUV	142.2190, -29.1950, -15.9781
Hunter-Lab	55.7710, -24.0785, 25.2471

Details

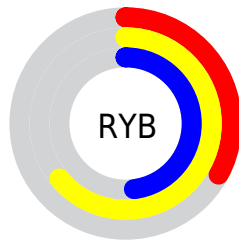
The Yxy color **31.1040, 0.3426, 0.4639** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **12.9659, 0.2649, 0.1938**, and the grayscale version is **27.2593, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.3290, 0.3387, 0.4351**, and **12.8621, 0.3452, 0.5135** is the 20% darker color. If you saturate the color by 10%, you get **30.3142, 0.3459, 0.4920**, and if you desaturate by 10%, it is **32.0034, 0.3378, 0.4347**.

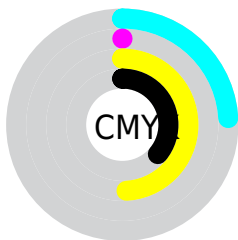
Distribution



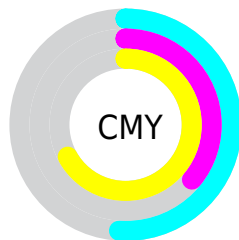
- Red (49%)
- Green (64%)
- Blue (33%)



- Red (33%)
- Yellow (64%)
- Blue (48%)



- Cyan (24%)
- Magenta (0%)
- Yellow (49%)
- Black (36%)





- Cyan (51%)
- Magenta (36%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.1040, 0.3426, 0.4639 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 31.1040, 0.3426, 0.4639 by changing the saturation by 10% instead.


 31.1040, 0.3426,
0.4639


 31.1040, 0.3426,
0.4639


307.0172, 0.3296,
0.3891

 20.6781, 0.3445,
0.4848


 61.4038, 0.3387,
0.4350

 12.8889, 0.3457,
0.5128


 82.0464, 0.3370,
0.4246


 7.3521, 0.3446,
0.5515


 106.8634, 0.3354,
0.4161

 3.6832, 0.3489,
0.6288

 136.2391, 0.3340,
0.4089

 1.4980, 0.3053,
0.6947

 170.5579, 0.3327,
0.4028

 0.2873, 0.0000,
1.0000

210.2043, 0.3316,

 0.0000, 0.0000,

0.3976

0.0000

255.5625, 0.3306,
0.3931

■ 31.1040, 0.3426,
0.4639

■ 31.1040, 0.3426,
0.4639

■ 30.3142, 0.3459,
0.4920

■ 32.0034, 0.3378,
0.4347

■ 29.6246, 0.3473,
0.5176

■ 33.0132, 0.3321,
0.4057

■ 29.0307, 0.3467,
0.5393


■ 34.1393, 0.3256,
0.3776

■ 28.5255, 0.3438,
0.5560

■ 35.3860, 0.3189,
0.3512


■ 28.0967, 0.3394,
0.5680


■ 36.7572, 0.3121,
0.3269

 28.0600, 0.3390,
0.5691

 38.2567, 0.3054,
0.3046

 39.8882, 0.2990,
0.2846

 41.6552, 0.2930,
0.2665

 43.5609, 0.2873,
0.2504

Harmonies

Analogous

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



31.1040, 0.4083, 0.4496



31.1040, 0.3426, 0.4639



31.1040, 0.2726, 0.4275

Triad

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



31.1040, 0.3426, 0.4639



31.1040, 0.1886, 0.2348



31.1040, 0.4137, 0.2976

Complementary

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



31.1040, 0.3426, 0.4639



12.9659, 0.2649, 0.1938

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.



31.1040, 0.3423, 0.2532



31.1040, 0.3426, 0.4639



31.1040, 0.2161, 0.2173

Square

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



31.1040, 0.3426, 0.4639



31.1040, 0.1885, 0.2809



31.1040, 0.2696, 0.2247



31.1040, 0.4551, 0.3506

Rectangle

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



31.1040, 0.3426, 0.4639



31.1040, 0.2330, 0.3797



31.1040, 0.2696, 0.2247



31.1040, 0.3919, 0.2815

Sweetspot

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



31.1054, 0.3426, 0.4639



61.9630, 0.3231, 0.3674



22.2476, 0.4133, 0.3899



13.8181, 0.3244, 0.3727



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



31.1054, 0.3426, 0.4639



54.1558, 0.3461, 0.4947



28.7196, 0.3066, 0.4801



8.0652, 0.3190, 0.3517



21.8341, 0.3396, 0.5685



0.4868, 0.3682, 0.5458

Inverse Universe

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



12.9659, 0.2649, 0.1938



17.7782, 0.2507, 0.1628



16.4761, 0.3164, 0.2125



7.0214, 0.3060, 0.3063



3.3887, 0.2017, 0.0885



0.0993, 0.2437, 0.1116

Previews

White Background



This preview shows how the Yxy color 31.1040, 0.3426, 0.4639 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 31.1040, 0.3426, 0.4639 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 31.1040, 0.3426, 0.4639

Background



This preview shows how black text looks on a background with the Yxy color 31.1040, 0.3426, 0.4639.



This preview shows how white text looks on a background with the Yxy color 31.1040, 0.3426, 0.4639.

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

31.1040, 0.3426, 0.4639

Protanopia

30.8047, 0.3980, 0.4347

Deuteranopia

30.8414, 0.4152, 0.4065



Tritanopia

31.0986, 0.2852, 0.3102

Trichromacy



Original Color

31.1040, 0.3426, 0.4639

Protanomaly

30.6012, 0.3777, 0.4457

Deuteranomaly

30.4865, 0.3874, 0.4272

Tritanomaly

30.7970, 0.3072, 0.3637

Monochromacy



Original Color

31.1040, 0.3426, 0.4639

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

28.3441, 0.3248, 0.3781

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1040, 0.3426, 0.4639 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(124, 163, 83)` looks like.

```
.text, #text, p{  
    color:rgb(124, 163, 83)  
}
```

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(124, 163, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 163, 83) }
```

Border

The CSS property to change the border of an element to Yxy 31.1040, 0.3426, 0.4639 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(124, 163, 83) }
```

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

```
.border{ border-color:rgb(124, 163, 83) }
```

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

Here you see how a box with a 4 pixel rgb(124, 163, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 163, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 163, 83);  
box-shadow:4px 4px 4px 4px rgb(124, 163,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1040, 0.3426, 0.4639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 163, 83) }
```

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

```
.background{ background-color: rgb(124,  
163, 83) }
```

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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