

Converting Colors

Yxy(31.9361, 0.3497, 0.4902)

Have a look what the booklet for
Yxy(31.9361, 0.3497, 0.4902)
contains.

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Color

Yxy(31.8274, 0.3496, 0.4900)

Conversions

Conversions Part 1

Format	Color
Hex	7AA644
RGB	122, 166, 68
RGB Percent	48%, 65%, 27%
CMY	0.5215, 0.3490, 0.7332
CMYK	0.26, 0.00, 0.59, 0.35
HSL	87°, 42%, 46%
HSV	87°, 59%, 65%
XYZ	22.7079, 31.8274, 10.4186
YIQ	141.6720, 5.2340, -39.8060

Conversions

Conversions Part 2

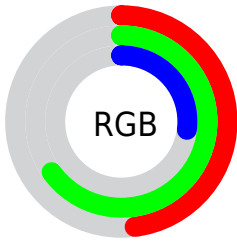
Format	Color
RYB	68, 166, 112
Decimal	8037956
CIELab	63.20, -31.13, 45.07
CIELCh	63, 54.777, 124.627
Yxy	31.8274, 0.3496, 0.4900
Android (android.graphics.Color)	4286228036 (0xFF7AA644)
YUV	141.6720, -36.3203, -17.2523
Hunter-Lab	56.4158, -26.8797, 28.5416

Details

The Yxy color **31.8274, 0.3496, 0.4900** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **10.3355, 0.2473, 0.1635**, and the grayscale version is **27.0612, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.4161, 0.3455, 0.4552**, and **13.3315, 0.3502, 0.5459** is the 20% darker color. If you saturate the color by 10%, you get **31.1305, 0.3516, 0.5149**, and if you desaturate by 10%, it is **32.6262, 0.3457, 0.4625**.

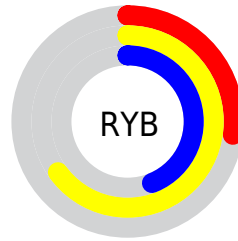
Distribution



Red (48%)

Green (65%)

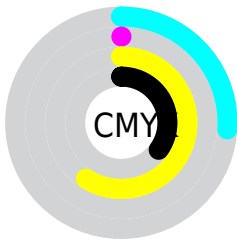
Blue (27%)



Red (27%)

Yellow (65%)

Blue (44%)

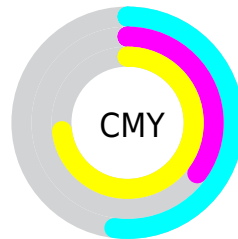


Cyan (26%)

Magenta (0%)

Yellow (59%)

Black (35%)



Cyan (52%)

Magenta (35%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.8274, 0.3496, 0.4900 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 31.8274, 0.3496, 0.4900 by changing the saturation by 10% instead.


 31.8274, 0.3496,
0.4900


 31.8274, 0.3496,
0.4900


310.3323, 0.3346,
0.4013

 21.2297, 0.3511,
0.5141


 62.5404, 0.3456,
0.4561


 13.2920, 0.3510,
0.5456


 83.4245, 0.3436,
0.4438


 7.6299, 0.3469,
0.5876


 108.5062, 0.3417,
0.4336

 3.8591, 0.3404,
0.6596

 138.1699, 0.3400,
0.4251

 1.5950, 0.2828,
0.7172

 172.7999, 0.3385,
0.4178

 0.3543, 0.0000,
1.0000

212.7807, 0.3371,

 0.0000, 0.0000,

0.4115

0.0000

258.4967, 0.3358,
0.4061

■ 31.8274, 0.3496,
0.4900

■ 31.8274, 0.3496,
0.4900

■ 31.1305, 0.3516,
0.5149

■ 32.6262, 0.3457,
0.4625

■ 30.5255, 0.3514,
0.5360

■ 33.5280, 0.3403,
0.4338

■ 30.0068, 0.3490,
0.5521

■ 34.5391, 0.3339,
0.4051

■ 29.5620, 0.3448,
0.5637

■ 35.6639, 0.3268,
0.3773

■ 29.5210, 0.3443,
0.5648

■ 36.9068, 0.3194,
0.3511

■ 38.2715, 0.3120,
0.3267

■ 39.7619, 0.3048,
0.3044

■ 41.3816, 0.2978,
0.2842

■ 43.1339, 0.2913,
0.2660

Harmonies

Analogous

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



31.8274, 0.4252, 0.4652



31.8274, 0.3496, 0.4900



31.8274, 0.2685, 0.4520

Triad

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



31.8274, 0.3496, 0.4900



31.8274, 0.1698, 0.2212



31.8274, 0.4275, 0.2882

Complementary

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



31.8274, 0.3496, 0.4900



10.3355, 0.2473, 0.1635

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.



31.8274, 0.3414, 0.2393



31.8274, 0.3496, 0.4900



31.8274, 0.1986, 0.2010

Square

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



31.8274, 0.3496, 0.4900



31.8274, 0.1709, 0.2749



31.8274, 0.2574, 0.2085



31.8274, 0.4788, 0.3472

Rectangle

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



31.8274, 0.3496, 0.4900



31.8274, 0.2225, 0.3946



31.8274, 0.2574, 0.2085



31.8274, 0.4008, 0.2704

Sweetspot

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



31.8288, 0.3496, 0.4900



64.8750, 0.3263, 0.3755



19.7803, 0.4454, 0.3933



14.3833, 0.3283, 0.3832



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



31.8288, 0.3496, 0.4900



56.1189, 0.3518, 0.5224



29.1680, 0.3084, 0.5127



8.6038, 0.3196, 0.3518



22.9202, 0.3450, 0.5643



0.5874, 0.3696, 0.5447

Inverse Universe

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



10.3355, 0.2473, 0.1635



13.4369, 0.2285, 0.1292



14.3091, 0.3102, 0.1901



7.4592, 0.3053, 0.3061



3.3070, 0.1945, 0.0845



0.1110, 0.2340, 0.1063

Previews

White Background



This preview shows how the Yxy color 31.8274, 0.3496, 0.4900 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 31.8274, 0.3496, 0.4900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

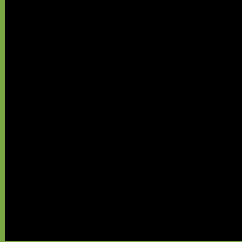
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.8274, 0.3496, 0.4900

Background



This preview shows how black text looks on a background with the Yxy color 31.8274, 0.3496, 0.4900.



This preview shows how white text looks on a background with the Yxy color 31.8274, 0.3496, 0.4900.

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

31.8274, 0.3496, 0.4900

Protanopia

31.6987, 0.4125, 0.4526

Deuteranopia

31.4366, 0.4315, 0.4226



Tritanopia

31.8383, 0.2837, 0.3103

Trichromacy



Original Color

31.8274, 0.3496, 0.4900

Protanomaly

31.6077, 0.3891, 0.4673

Deuteranomaly

31.1429, 0.3999, 0.4469

Tritanomaly

31.6328, 0.3096, 0.3753

Monochromacy



Original Color

31.8274, 0.3496, 0.4900

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

28.5219, 0.3303, 0.3900

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8274, 0.3496, 0.4900 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(122, 166, 68)` looks like.

```
.text, #text, p{  
    color:rgb(122, 166, 68)  
}
```

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(122, 166, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 166, 68) }
```

Border

The CSS property to change the border of an element to Yxy 31.8274, 0.3496, 0.4900 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(122, 166, 68) }
```

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

```
.border{ border-color:rgb(122, 166, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 166, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 166, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 166, 68);  
box-shadow:4px 4px 4px 4px rgb(122, 166,  
68) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 31.8274, 0.3496, 0.4900$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 166, 68) }
```

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

```
.background{ background-color: rgb(122,  
166, 68) }
```

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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