

Converting Colors

$Y_{xy}(31.4856, 0.3760, 0.5397)$

Have a look what the booklet for
Yxy(31.4856, 0.3760, 0.5397)
contains.

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Color

Yxy(31.5575, 0.3756, 0.5400)

Conversions

Conversions Part 1

Format	Color
Hex	7CA600
RGB	124, 166, 0
RGB Percent	49%, 65%, 0%
CMY	0.5137, 0.3490, 1.0000
CMYK	0.25, 0.00, 1.00, 0.35
HSL	75°, 100%, 33%
HSV	75°, 100%, 65%
XYZ	21.9500, 31.5575, 4.9323
YIQ	134.5180, 28.2540, -60.5300

Conversions

Conversions Part 2

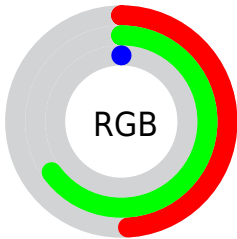
Format	Color
RYB	0, 166, 42
Decimal	8168960
CIELab	62.98, -33.65, 64.87
CIELCh	63, 73.077, 117.417
Yxy	31.5575, 0.3756, 0.5400
Android (android.graphics.Color)	4286359040 (0xFF7CA600)
YUV	134.5180, -66.3174, -9.2243
Hunter-Lab	56.1761, -28.5618, 34.1175

Details

The Yxy color **31.5575, 0.3756, 0.5400** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3.2451, 0.1654, 0.0685**, and the grayscale version is **24.2849, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.0311, 0.3716, 0.4994**, and **13.2998, 0.3546, 0.5567** is the 20% darker color. If you saturate the color by 10%, you get **31.5590, 0.3756, 0.5400**, and if you desaturate by 10%, it is **31.9178, 0.3774, 0.5314**.

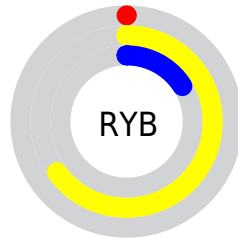
Distribution



Red (49%)

Green (65%)

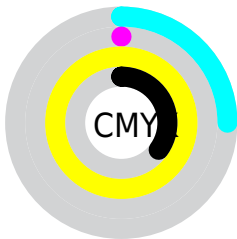
Blue (0%)



Red (0%)

Yellow (65%)

Blue (16%)

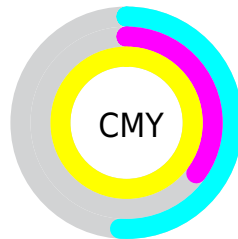


Cyan (25%)

Magenta (0%)

Yellow (100%)

Black (35%)



Cyan (51%)


Magenta (35%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 31.5575, 0.3756, 0.5400 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 31.5575, 0.3756, 0.5400 by changing the saturation by 10% instead.


 31.5575, 0.3756,
0.5400


 31.5575, 0.3756,
0.5400


 309.0986, 0.3530,
0.4281


 21.0237, 0.3755,
0.5665


 62.1167, 0.3710,
0.4995

 13.1414, 0.3718,
0.5988


 82.9110, 0.3681,
0.4840


 7.5260, 0.3608,
0.6392


 107.8942, 0.3651,
0.4709

 3.7931, 0.3271,
0.6729

 137.4508, 0.3624,
0.4598

 1.5585, 0.2587,
0.7413

 171.9651, 0.3597,
0.4502

 0.3294, 0.0000,
1.0000


 211.8216, 0.3573,


 0.0000, 0.0000,


0.4418

0.0000

 257.4046, 0.3551,
0.4345

 31.5575, 0.3756,
0.5400


 31.5575, 0.3756,
0.5400

 31.5590, 0.3756,
0.5400

 31.9178, 0.3774,
0.5314

 32.3226, 0.3773,
0.5191

 32.7869, 0.3747,
0.5022

 33.3169, 0.3697,
0.4815

 33.9177, 0.3627,
0.4577

■ 34.5941, 0.3540,
0.4320

■ 35.3501, 0.3442,
0.4054

■ 36.1896, 0.3338,
0.3790

■ 37.1161, 0.3232,
0.3533

Harmonies

Analogous

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



31.5575, 0.4688, 0.4792



31.5575, 0.3756, 0.5400



31.5575, 0.2730, 0.5226

Triad

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



31.5575, 0.3756, 0.5400



31.5575, 0.1317, 0.2003



31.5575, 0.4397, 0.2582

Complementary

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



31.5575, 0.3756, 0.5400



3.2451, 0.1654, 0.0685

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.



31.5575, 0.3196, 0.2042



31.5575, 0.3756, 0.5400



31.5575, 0.1573, 0.1704

Square

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



31.5575, 0.3756, 0.5400



31.5575, 0.1394, 0.2765



31.5575, 0.2187, 0.1735



31.5575, 0.5227, 0.3259

Rectangle

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



31.5575, 0.3756, 0.5400



31.5575, 0.2115, 0.4506



31.5575, 0.2187, 0.1735



31.5575, 0.4005, 0.2382

Sweetspot

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



31.5590, 0.3756, 0.5400



64.0763, 0.3448, 0.4069



9.7277, 0.6064, 0.3567



14.2113, 0.3489, 0.4177



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.



31.5590, 0.3756, 0.5400



57.1712, 0.3748, 0.5406



27.7544, 0.3106, 0.5916



8.6769, 0.3225, 0.3516



24.4953, 0.3760, 0.5397



0.6181, 0.3911, 0.5276

Inverse Universe

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



3.2451, 0.1654, 0.0685



5.8039, 0.1640, 0.0677



7.0757, 0.2589, 0.1200



7.3888, 0.3024, 0.3059



2.5358, 0.1662, 0.0689



0.0852, 0.2012, 0.0882

Previews

White Background



This preview shows how the Yxy color 31.5575, 0.3756, 0.5400 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 31.5575, 0.3756, 0.5400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

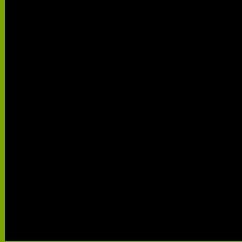
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.5575, 0.3756, 0.5400

Background



This preview shows how black text looks on a background with the Yxy color 31.5575, 0.3756, 0.5400.



This preview shows how white text looks on a background with the Yxy color 31.5575, 0.3756, 0.5400.

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

31.5575, 0.3756, 0.5400

Protanopia

31.1144, 0.4402, 0.4887

Deuteranopia

31.1218, 0.4631, 0.4546



Tritanopia

31.3902, 0.2870, 0.3088

Trichromacy



Original Color

31.5575, 0.3756, 0.5400

Protanomaly

30.9840, 0.4161, 0.5079

Deuteranomaly

30.7225, 0.4320, 0.4864

Tritanomaly

30.5627, 0.3357, 0.4161

Monochromacy



Original Color

31.5575, 0.3756, 0.5400

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

26.0549, 0.3548, 0.4336

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5575, 0.3756, 0.5400 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, 166, 0)` looks like.

```
.text, #text, p{  
    color:rgb(124, 166, 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(124, 166, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 166, 0) }
```

Border

The CSS property to change the border of an element to Yxy 31.5575, 0.3756, 0.5400 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, 166, 0) }
```

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

```
.border{ border-color:rgb(124, 166, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 166, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 166, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 166, 0);  
box-shadow:4px 4px 4px 4px rgb(124, 166,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5575, 0.3756, 0.5400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 166, 0) }
```

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

```
.background{ background-color: rgb(124,  
166, 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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