

Converting Colors

$Yxy(30.5939, 0.4071, 0.5886)$

Have a look what the booklet for
Yxy(30.5939, 0.4071, 0.5886)
contains.

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Color

Yxy(31.1401, 0.3813, 0.5354)

Conversions

Conversions Part 1

Format	Color
Hex	80A400
RGB	128, 164, 0
RGB Percent	50%, 64%, 0%
CMY	0.4981, 0.3568, 0.9995
CMYK	0.22, 0.00, 1.00, 0.36
HSL	73°, 100%, 32%
HSV	73°, 100%, 64%
XYZ	22.1773, 31.1401, 4.8449
YIQ	134.5400, 31.1880, -58.6360

Conversions

Conversions Part 2

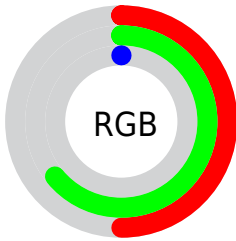
Format	Color
RYB	0, 164, 36
Decimal	8430592
CIELab	62.63, -31.09, 64.69
CIELCh	63, 71.772, 115.666
Yxy	31.1401, 0.3813, 0.5354
Android (android.graphics.Color)	4286620672 (0xFF80A400)
YUV	134.5400, -66.3282, -5.7356
Hunter-Lab	55.8033, -26.7165, 33.9147

Details

The Yxy color **31.1401, 0.3813, 0.5354** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3.0607, 0.1623, 0.0668**, and the grayscale version is **24.2962, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.4717, 0.3758, 0.4960**, and **13.0048, 0.3618, 0.5509** is the 20% darker color. If you saturate the color by 10%, you get **31.1391, 0.3813, 0.5355**, and if you desaturate by 10%, it is **31.4647, 0.3825, 0.5273**.

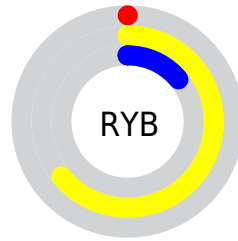
Distribution



Red (50%)

Green (64%)

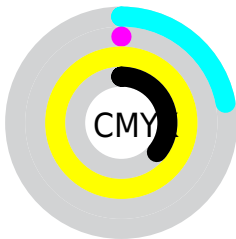
Blue (0%)



Red (0%)

Yellow (64%)

Blue (14%)

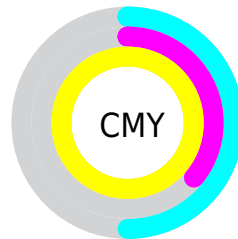


Cyan (22%)

Magenta (0%)

Yellow (100%)

Black (36%)



Cyan (50%)


Magenta (36%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.1401, 0.3813, 0.5354 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 31.1401, 0.3813, 0.5354 by changing the saturation by 10% instead.


 31.1401, 0.3813,
0.5354


 31.1401, 0.3813,
0.5354


307.1832, 0.3554,
0.4264

 20.7056, 0.3821,
0.5610


 61.4606, 0.3755,
0.4961

 12.9089, 0.3796,
0.5922


 82.1153, 0.3721,
0.4810


 7.3659, 0.3700,
0.6300


 106.9455, 0.3687,
0.4683

 3.6920, 0.3383,
0.6617

 136.3357, 0.3656,
0.4574

 1.5028, 0.2749,
0.7251

 170.6701, 0.3628,
0.4480


 0.2907, 0.0000,
1.0000


 210.3333, 0.3601,


 0.0000, 0.0000,


0.4398

0.0000


 255.7095, 0.3577,
0.4327


 31.1401, 0.3813,
0.5354

 31.1401, 0.3813,
0.5354


 31.1391, 0.3813,
0.5355

 31.4647, 0.3825,
0.5273

 31.8295, 0.3818,
0.5156

 32.2493, 0.3786,
0.4994

 32.7297, 0.3731,
0.4792

 33.2758, 0.3654,
0.4561

■ 33.8921, 0.3561,
0.4309

■ 34.5825, 0.3458,
0.4047

■ 35.3506, 0.3348,
0.3786

■ 36.1999, 0.3237,
0.3531

Harmonies

Analogous

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



31.1401, 0.4721, 0.4736



31.1401, 0.3813, 0.5354



31.1401, 0.2796, 0.5237

Triad

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



31.1401, 0.3813, 0.5354



31.1401, 0.1329, 0.2049



31.1401, 0.4315, 0.2555

Complementary

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



31.1401, 0.3813, 0.5354



3.0607, 0.1623, 0.0668

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.



31.1401, 0.3129, 0.2030



31.1401, 0.3813, 0.5354



31.1401, 0.1564, 0.1727

Square

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



31.1401, 0.3813, 0.5354



31.1401, 0.1428, 0.2836



31.1401, 0.2152, 0.1740



31.1401, 0.5172, 0.3222

Rectangle

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



31.1401, 0.3813, 0.5354



31.1401, 0.2178, 0.4563



31.1401, 0.2152, 0.1740



31.1401, 0.3925, 0.2359

Sweetspot

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



31.1415, 0.3813, 0.5354



62.6848, 0.3465, 0.4064



9.1329, 0.6130, 0.3514



13.5920, 0.3507, 0.4169



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.



31.1415, 0.3813, 0.5354



56.4242, 0.3806, 0.5360



27.1467, 0.3133, 0.5894



8.1584, 0.3229, 0.3514



23.8959, 0.3817, 0.5352



0.5205, 0.3962, 0.5236

Inverse Universe

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



3.0607, 0.1623, 0.0668



5.4712, 0.1609, 0.0660



6.5049, 0.2509, 0.1156



6.9315, 0.3019, 0.3060



2.3613, 0.1629, 0.0671



0.0685, 0.1972, 0.0860

Previews

White Background



This preview shows how the Yxy color 31.1401, 0.3813, 0.5354 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 31.1401, 0.3813, 0.5354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

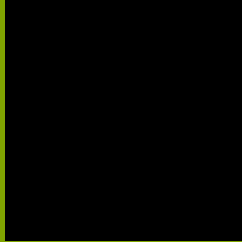
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.1401, 0.3813, 0.5354

Background



This preview shows how black text looks on a background with the Yxy color 31.1401, 0.3813, 0.5354.



This preview shows how white text looks on a background with the Yxy color 31.1401, 0.3813, 0.5354.

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

31.1401, 0.3813, 0.5354

Protanopia

31.0025, 0.4391, 0.4896

Deuteranopia

30.6858, 0.4637, 0.4547



Tritanopia

30.9239, 0.2914, 0.3088

Trichromacy



Original Color

31.1401, 0.3813, 0.5354

Protanomaly

30.7455, 0.4182, 0.5061

Deuteranomaly

30.3957, 0.4334, 0.4858

Tritanomaly

30.1152, 0.3403, 0.4140

Monochromacy



Original Color

31.1401, 0.3813, 0.5354

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

26.1352, 0.3560, 0.4332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1401, 0.3813, 0.5354 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(128, 164, 0)` looks like.

```
.text, #text, p{  
    color:rgb(128, 164, 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(128, 164, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 164, 0) }
```

Border

The CSS property to change the border of an element to Yxy 31.1401, 0.3813, 0.5354 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(128, 164, 0) }
```

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

```
.border{ border-color:rgb(128, 164, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 164, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 164, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 164, 0);  
box-shadow:4px 4px 4px 4px rgb(128, 164,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1401, 0.3813, 0.5354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 164, 0) }
```

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

```
.background{ background-color: rgb(128,  
164, 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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