

Converting Colors

$Y_{xy}(31.4261, 0.3670, 0.5304)$

Have a look what the booklet for
Yxy(31.4261, 0.3670, 0.5304)
contains.

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Color

Yxy(31.4261, 0.3670, 0.5304)

Conversions

Conversions Part 1

Format	Color
Hex	79A61D
RGB	121, 166, 29
RGB Percent	47%, 65%, 11%
CMY	0.5254, 0.3490, 0.8864
CMYK	0.27, 0.00, 0.83, 0.35
HSL	80°, 70%, 38%
HSV	80°, 83%, 65%
XYZ	21.7447, 31.4261, 6.0790
YIQ	136.9270, 17.1570, -52.1470

Conversions

Conversions Part 2

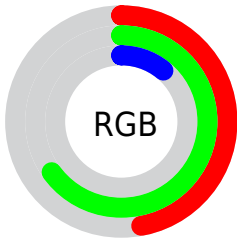
Format	Color
R _Y B	29, 166, 74
Decimal	7972381
CIE Lab	62.87, -34.14, 59.54
CIE LCh	63, 68.627, 119.829
Yxy	31.4261, 0.3670, 0.5304
Android (android.graphics.Color)	4286162461 (0xFF79A61D)
YUV	136.9270, -53.2080, -13.9680
Hunter-Lab	56.0590, -28.8650, 32.8119

Details

The Yxy color **31.4261, 0.3670, 0.5304** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **5.0833, 0.1960, 0.0982**, and the grayscale version is **25.1877, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.7481, 0.3628, 0.4901**, and **13.1929, 0.3507, 0.5598** is the 20% darker color. If you saturate the color by 10%, you get **30.9837, 0.3653, 0.5429**, and if you desaturate by 10%, it is **31.9377, 0.3663, 0.5132**.

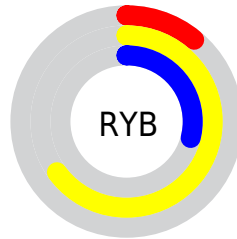
Distribution



Red (47%)

Green (65%)

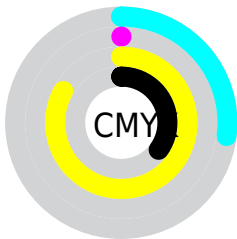
Blue (11%)



Red (11%)

Yellow (65%)

Blue (29%)

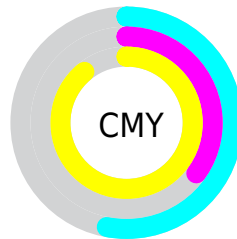


Cyan (27%)

Magenta (0%)

Yellow (83%)

Black (35%)



Cyan (53%)

Magenta (35%)

Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.4261, 0.3670, 0.5304 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 31.4261, 0.3670, 0.5304 by changing the saturation by 10% instead.


 31.4261, 0.3670,
0.5304


 31.4261, 0.3670,
0.5304


 308.4966, 0.3471,
0.4217


 20.9235, 0.3673,
0.5575


 61.9103, 0.3627,
0.4902

 13.0681, 0.3639,
0.5906


 82.6607, 0.3601,
0.4752

 7.4755, 0.3586,
0.6414


 107.5959, 0.3575,
0.4626

 3.7612, 0.3242,
0.6758

 137.1002, 0.3551,
0.4519

 1.5409, 0.2525,
0.7475

 171.5580, 0.3528,
0.4427

 0.3173, 0.0000,
1.0000

 211.3537, 0.3507,

 0.0000, 0.0000,

0.4348

0.0000

256.8718, 0.3488,
0.4278

■ 31.4261, 0.3670,
0.5304

■ 31.4261, 0.3670,
0.5304

■ 30.9837, 0.3653,
0.5429

■ 31.9377, 0.3663,
0.5132

■ 30.6856, 0.3630,
0.5499

■ 32.5210, 0.3631,
0.4918

■ 33.1829, 0.3579,
0.4673

■ 33.9285, 0.3509,
0.4407

■ 34.7620, 0.3427,
0.4134

■ 35.6876, 0.3338,
0.3862

■ 36.7092, 0.3244,
0.3599

■ 37.8301, 0.3151,
0.3351

■ 39.0539, 0.3059,
0.3120

Harmonies

Analogous

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



31.4261, 0.4568, 0.4797



31.4261, 0.3670, 0.5304



31.4261, 0.2690, 0.5032

Triad

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



31.4261, 0.3670, 0.5304



31.4261, 0.1403, 0.2034



31.4261, 0.4408, 0.2671

Complementary

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



31.4261, 0.3670, 0.5304



5.0833, 0.1960, 0.0982

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.



31.4261, 0.3287, 0.2134



31.4261, 0.3670, 0.5304



31.4261, 0.1677, 0.1767

Square

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



31.4261, 0.3670, 0.5304



31.4261, 0.1455, 0.2728



31.4261, 0.2301, 0.1817



31.4261, 0.5142, 0.3333

Rectangle

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



31.4261, 0.3670, 0.5304



31.4261, 0.2115, 0.4325



31.4261, 0.2301, 0.1817



31.4261, 0.4048, 0.2473

Sweetspot

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



31.4275, 0.3670, 0.5304



64.2628, 0.3364, 0.3940



12.8763, 0.5403, 0.3804



14.2532, 0.3395, 0.4032



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.



31.4275, 0.3670, 0.5304



55.6418, 0.3624, 0.5499



28.1477, 0.3120, 0.5708



8.6486, 0.3214, 0.3516



23.8211, 0.3635, 0.5495



0.6056, 0.3828, 0.5343

Inverse Universe

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



5.0833, 0.1960, 0.0982



6.4447, 0.1739, 0.0736



9.2818, 0.2836, 0.1440



7.4157, 0.3035, 0.3060



2.7767, 0.1754, 0.0740



0.0952, 0.2144, 0.0955

Previews

White Background



This preview shows how the Yxy color 31.4261, 0.3670, 0.5304 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 31.4261, 0.3670, 0.5304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

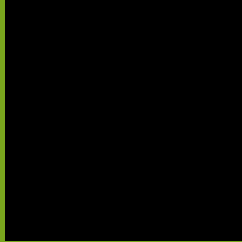
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.4261, 0.3670, 0.5304

Background



This preview shows how black text looks on a background with the Yxy color 31.4261, 0.3670, 0.5304.



This preview shows how white text looks on a background with the Yxy color 31.4261, 0.3670, 0.5304.

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

31.4261, 0.3670, 0.5304

Protanopia

31.1846, 0.4349, 0.4810

Deuteranopia

31.0538, 0.4575, 0.4495



Tritanopia

31.4670, 0.2844, 0.3102

Trichromacy



Original Color

31.4261, 0.3670, 0.5304

Protanomaly

30.9608, 0.4096, 0.4997

Deuteranomaly

30.5894, 0.4238, 0.4787

Tritanomaly

30.9059, 0.3228, 0.3995

Monochromacy



Original Color

31.4261, 0.3670, 0.5304

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

26.8869, 0.3429, 0.4161

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4261, 0.3670, 0.5304 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(121, 166, 29)` looks like.

```
.text, #text, p{  
    color:rgb(121, 166, 29)  
}
```

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(121, 166, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 166, 29) }
```

Border

The CSS property to change the border of an element to Yxy 31.4261, 0.3670, 0.5304 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(121, 166, 29) }
```

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

```
.border{ border-color:rgb(121, 166, 29) }
```

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

Here you see how a box with a 4 pixel rgb(121, 166, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 166, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 166, 29);  
box-shadow:4px 4px 4px 4px rgb(121, 166,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4261, 0.3670, 0.5304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 166, 29) }
```

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

```
.background{ background-color: rgb(121,  
166, 29) }
```

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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