

Converting Colors

$Y_{xy}(29.4291, 0.3798, 0.5367)$

Have a look what the booklet for
Yxy(29.4291, 0.3798, 0.5367)
contains.

Yxy(29.3526, 0.3794, 0.5370)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.3526, 0.3794, 0.5370)

Conversions

Conversions Part 1

Format	Color
Hex	7BA000
RGB	123, 160, 0
RGB Percent	48%, 63%, 0%
CMY	0.5177, 0.3725, 1.0000
CMYK	0.23, 0.00, 1.00, 0.37
HSL	74°, 100%, 31%
HSV	74°, 100%, 63%
XYZ	20.7381, 29.3526, 4.5696
YIQ	130.6970, 29.3080, -57.6040

Conversions

Conversions Part 2

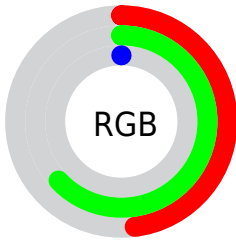
Format	Color
RYB	0, 160, 37
Decimal	8101888
CIELab	61.09, -31.28, 63.41
CIELCh	61, 70.709, 116.257
Yxy	29.3526, 0.3794, 0.5370
Android (android.graphics.Color)	4286291968 (0xFF7BA000)
YUV	130.6970, -64.4336, -6.7503
Hunter-Lab	54.1780, -26.4858, 32.9239

Details

The Yxy color **29.3526, 0.3794, 0.5370** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **2.9318, 0.1635, 0.0674**, and the grayscale version is **22.8100, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.6656, 0.3735, 0.4969**, and **11.9541, 0.3586, 0.5534** is the 20% darker color. If you saturate the color by 10%, you get **29.3541, 0.3794, 0.5370**, and if you desaturate by 10%, it is **29.6697, 0.3807, 0.5286**.

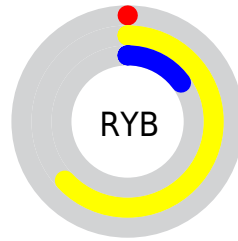
Distribution



Red (48%)

Green (63%)

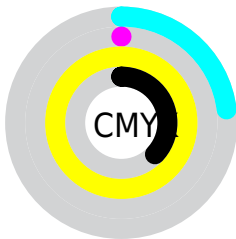
Blue (0%)



Red (0%)

Yellow (63%)

Blue (15%)

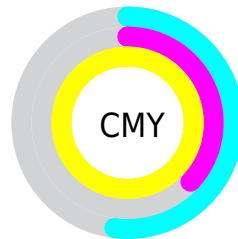


Cyan (23%)

Magenta (0%)

Yellow (100%)

Black (37%)



Cyan (52%)


Magenta (37%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.3526, 0.3794, 0.5370 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 29.3526, 0.3794, 0.5370 by changing the saturation by 10% instead.


 29.3526, 0.3794,
0.5370


 29.3526, 0.3794,
0.5370


298.8750, 0.3543,
0.4258


 19.3477, 0.3799,
0.5635


 58.6368, 0.3738,
0.4966


 11.9218, 0.3772,
0.5968


 78.6850, 0.3705,
0.4812


 6.6905, 0.3652,
0.6348


 102.8497, 0.3673,
0.4682

 3.2693, 0.3309,
0.6691

 131.5153, 0.3642,
0.4572

 1.2739, 0.2405,
0.7595

 165.0662, 0.3614,
0.4476

 0.1208, 0.0000,
1.0000


 203.8869, 0.3588,

 0.0000, 0.0000,


0.4394

0.0000


 248.3617, 0.3564,
0.4322


 29.3526, 0.3794,
0.5370


 29.3526, 0.3794,
0.5370


 29.3541, 0.3794,
0.5370

 29.6697, 0.3807,
0.5286

 30.0251, 0.3802,
0.5166

 30.4334, 0.3772,
0.5002

 30.8999, 0.3718,
0.4798

 31.4295, 0.3644,
0.4565

■ 32.0262, 0.3554,
0.4312

■ 32.6939, 0.3452,
0.4049

■ 33.4360, 0.3345,
0.3787

■ 34.2557, 0.3235,
0.3532

Harmonies

Analogous

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



29.3526, 0.4710, 0.4755



29.3526, 0.3794, 0.5370



29.3526, 0.2774, 0.5234

Triad

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



29.3526, 0.3794, 0.5370



29.3526, 0.1325, 0.2033



29.3526, 0.4343, 0.2564

Complementary

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



29.3526, 0.3794, 0.5370



2.9318, 0.1635, 0.0674

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.



29.3526, 0.3151, 0.2034



29.3526, 0.3794, 0.5370



29.3526, 0.1567, 0.1719

Square

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



29.3526, 0.3794, 0.5370



29.3526, 0.1416, 0.2812



29.3526, 0.2164, 0.1738



29.3526, 0.5191, 0.3234

Rectangle

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



29.3526, 0.3794, 0.5370



29.3526, 0.2156, 0.4544



29.3526, 0.2164, 0.1738



29.3526, 0.3952, 0.2366

Sweetspot

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



29.3541, 0.3794, 0.5370



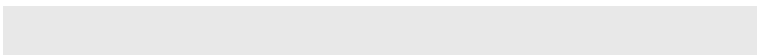
59.2844, 0.3458, 0.4065



8.6568, 0.6129, 0.3516



12.8942, 0.3499, 0.4168



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



29.3541, 0.3794, 0.5370



53.1992, 0.3786, 0.5376



25.7091, 0.3134, 0.5894



7.6430, 0.3227, 0.3513



22.8851, 0.3798, 0.5367



0.4266, 0.3966, 0.5233

Inverse Universe

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



2.9318, 0.1635, 0.0674



5.2458, 0.1620, 0.0666



6.1608, 0.2510, 0.1156



6.5056, 0.3022, 0.3061



2.3010, 0.1642, 0.0678



0.0582, 0.2015, 0.0884

Previews

White Background



This preview shows how the Yxy color 29.3526, 0.3794, 0.5370 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3526, 0.3794, 0.5370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

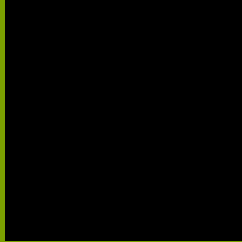
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.3526, 0.3794, 0.5370

Background



This preview shows how black text looks on a background with the Yxy color 29.3526, 0.3794, 0.5370.



This preview shows how white text looks on a background with the Yxy color 29.3526, 0.3794, 0.5370.

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

29.3526, 0.3794, 0.5370

Protanopia

28.9744, 0.4408, 0.4882

Deuteranopia

28.8682, 0.4639, 0.4545



Tritanopia

29.3865, 0.2900, 0.3099

Trichromacy



Original Color

29.3526, 0.3794, 0.5370

Protanomaly

28.9405, 0.4171, 0.5070

Deuteranomaly

28.5925, 0.4328, 0.4864

Tritanomaly

28.6473, 0.3386, 0.4162

Monochromacy



Original Color

29.3526, 0.3794, 0.5370

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

24.5597, 0.3560, 0.4342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3526, 0.3794, 0.5370 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(123, 160, 0)` looks like.

```
.text, #text, p{  
    color:rgb(123, 160, 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(123, 160, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 160, 0) }
```

Border

The CSS property to change the border of an element to Yxy 29.3526, 0.3794, 0.5370 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(123, 160, 0) }
```

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

```
.border{ border-color:rgb(123, 160, 0) }
```

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

Here you see how a box with a 4 pixel rgb(123, 160, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 160, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 160, 0);  
box-shadow:4px 4px 4px 4px rgb(123, 160,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3526, 0.3794, 0.5370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 160, 0) }
```

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

```
.background{ background-color: rgb(123,  
160, 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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