

Converting Colors

$Y_{xy}(27.6285, 0.3774, 0.5386)$

Have a look what the booklet for
 $Y_{xy}(27.6285, 0.3774, 0.5386)$
contains.

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Color

Yxy(27.6285, 0.3774, 0.5386)

Conversions

Conversions Part 1

Format	Color
Hex	769C00
RGB	118, 156, 0
RGB Percent	46%, 61%, 0%
CMY	0.5372, 0.3882, 1.0000
CMYK	0.24, 0.00, 1.00, 0.39
HSL	75°, 100%, 31%
HSV	75°, 100%, 61%
XYZ	19.3594, 27.6285, 4.3089
YIQ	126.8540, 27.4280, -56.5720

Conversions

Conversions Part 2

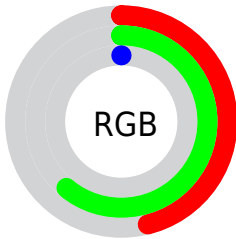
Format	Color
RYB	0, 156, 38
Decimal	7773184
CIELab	59.55, -31.47, 62.11
CIELCh	60, 69.623, 116.870
Yxy	27.6285, 0.3774, 0.5386
Android (android.graphics.Color)	4285963264 (0xFF769C00)
YUV	126.8540, -62.5390, -7.7650
Hunter-Lab	52.5628, -26.2415, 31.9336

Details

The Yxy color **27.6285, 0.3774, 0.5386** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **2.8125, 0.1649, 0.0682**, and the grayscale version is **21.3835, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.0551, 0.3719, 0.4973**, and **11.1931, 0.3558, 0.5557** is the 20% darker color. If you saturate the color by 10%, you get **27.6300, 0.3774, 0.5386**, and if you desaturate by 10%, it is **27.9377, 0.3789, 0.5298**.

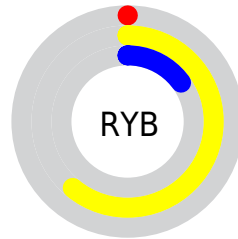
Distribution



Red (46%)

Green (61%)

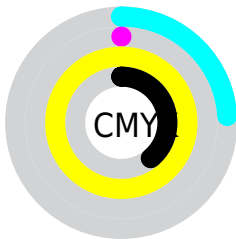
Blue (0%)



Red (0%)

Yellow (61%)

Blue (15%)

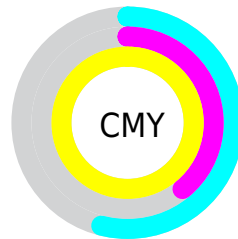


Cyan (24%)

Magenta (0%)

Yellow (100%)

Black (39%)



Cyan (54%)


Magenta (39%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.6285, 0.3774, 0.5386 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 27.6285, 0.3774, 0.5386 by changing the saturation by 10% instead.


 27.6285, 0.3774,
0.5386


 27.6285, 0.3774,
0.5386


290.6875, 0.3530,
0.4252


 18.0458, 0.3776,
0.5661


 55.8908, 0.3722,
0.4970

 10.9829, 0.3748,
0.6018


 75.3391, 0.3689,
0.4813


 6.0553, 0.3601,
0.6399

 98.8449, 0.3658,
0.4681

 2.8788, 0.3229,
0.6771

 126.7923, 0.3628,
0.4568


 1.0688, 0.1814,
0.8186


 159.5659, 0.3600,
0.4472

 0.0000, 0.0000,
0.0000


 197.5500, 0.3575,

0.4389


 241.1291, 0.3551,
0.4316


 27.6285, 0.3774,
0.5386


 27.6285, 0.3774,
0.5386


 27.6300, 0.3774,
0.5386

 27.9377, 0.3789,
0.5298

 28.2837, 0.3785,
0.5176

 28.6806, 0.3757,
0.5009

 29.1336, 0.3705,
0.4803

 29.6470, 0.3633,
0.4567

■ 30.2248, 0.3544,
0.4312

■ 30.8705, 0.3445,
0.4049

■ 31.5875, 0.3340,
0.3787

■ 32.3787, 0.3233,
0.3532

Harmonies

Analogous

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



27.6285, 0.4699, 0.4774



27.6285, 0.3774, 0.5386



27.6285, 0.2750, 0.5230

Triad

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



27.6285, 0.3774, 0.5386



27.6285, 0.1321, 0.2017



27.6285, 0.4371, 0.2574

Complementary

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



27.6285, 0.3774, 0.5386



2.8125, 0.1649, 0.0682

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.



27.6285, 0.3175, 0.2038



27.6285, 0.3774, 0.5386



27.6285, 0.1570, 0.1711

Square

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



27.6285, 0.3774, 0.5386



27.6285, 0.1404, 0.2787



27.6285, 0.2176, 0.1736



27.6285, 0.5210, 0.3247

Rectangle

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



27.6285, 0.3774, 0.5386



27.6285, 0.2135, 0.4524



27.6285, 0.2176, 0.1736



27.6285, 0.3980, 0.2374

Sweetspot

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



27.6300, 0.3774, 0.5386



55.9934, 0.3452, 0.4065



8.3545, 0.6091, 0.3545



12.2177, 0.3491, 0.4168



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



27.6300, 0.3774, 0.5386



50.0859, 0.3766, 0.5392



24.2621, 0.3121, 0.5904



7.6389, 0.3225, 0.3513



22.7740, 0.3777, 0.5383



0.4253, 0.3954, 0.5242

Inverse Universe

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



2.8125, 0.1649, 0.0682



5.0300, 0.1633, 0.0673



6.0049, 0.2551, 0.1179



6.5094, 0.3023, 0.3061



2.3307, 0.1655, 0.0685



0.0594, 0.2040, 0.0897

Previews

White Background



This preview shows how the Yxy color 27.6285, 0.3774, 0.5386 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 27.6285, 0.3774, 0.5386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

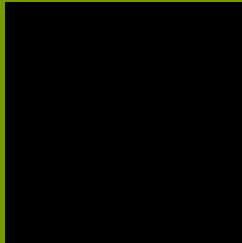
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.6285, 0.3774, 0.5386

Background



This preview shows how black text looks on a background with the Yxy color 27.6285, 0.3774, 0.5386.



This preview shows how white text looks on a background with the Yxy color 27.6285, 0.3774, 0.5386.

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

27.6285, 0.3774, 0.5386

Protanopia

27.2220, 0.4402, 0.4887

Deuteranopia

27.4003, 0.4624, 0.4549



Tritanopia

27.5907, 0.2885, 0.3094

Trichromacy



Original Color

27.6285, 0.3774, 0.5386

Protanomaly

27.1996, 0.4159, 0.5080

Deuteranomaly

26.8567, 0.4319, 0.4866

Tritanomaly

26.9270, 0.3363, 0.4153

Monochromacy



Original Color

27.6285, 0.3774, 0.5386

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

23.0561, 0.3551, 0.4335

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6285, 0.3774, 0.5386 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(118, 156, 0)` looks like.

```
.text, #text, p{  
    color:rgb(118, 156, 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(118, 156, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 156, 0) }
```

Border

The CSS property to change the border of an element to Yxy 27.6285, 0.3774, 0.5386 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(118, 156, 0) }
```

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

```
.border{ border-color:rgb(118, 156, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 156, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 156, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 156, 0);  
box-shadow:4px 4px 4px 4px rgb(118, 156,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6285, 0.3774, 0.5386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 156, 0) }
```

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

```
.background{ background-color: rgb(118,  
156, 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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