

Converting Colors

$Y_{xy}(16.1688, 0.4074, 0.5926)$

Have a look what the booklet for
Yxy(16.1688, 0.4074, 0.5926)
contains.

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Color

Yxy(16.2988, 0.3806, 0.5360)

Conversions

Conversions Part 1

Format	Color
Hex	5E7A00
RGB	94, 122, 0
RGB Percent	37%, 48%, 0%
CMY	0.6315, 0.5215, 1.0000
CMYK	0.23, 0.00, 1.00, 0.52
HSL	74°, 100%, 24%
HSV	74°, 100%, 48%
XYZ	11.5734, 16.2988, 2.5360
YIQ	99.7200, 22.4740, -43.8780

Conversions

Conversions Part 2

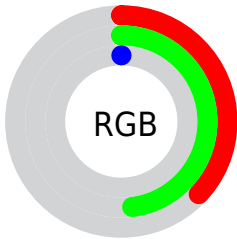
Format	Color
RYB	0, 122, 28
Decimal	6191616
CIELab	47.36, -25.30, 52.13
CIELCh	47, 57.945, 115.885
Yxy	16.2988, 0.3806, 0.5360
Android (android.graphics.Color)	4284381696 (0xFF5E7A00)
YUV	99.7200, -49.1620, -5.0164
Hunter-Lab	40.3718, -19.4801, 24.5358

Details

The Yxy color **16.2988, 0.3806, 0.5360** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **1.6532, 0.1652, 0.0684**, and the grayscale version is **12.7914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.9382, 0.3735, 0.4879**, and **5.2787, 0.3557, 0.5558** is the 20% darker color. If you saturate the color by 10%, you get **16.2994, 0.3806, 0.5360**, and if you desaturate by 10%, it is **16.4775, 0.3811, 0.5261**.

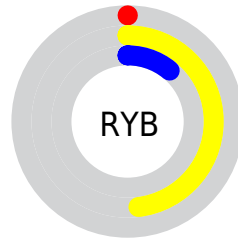
Distribution



Red (37%)

Green (48%)

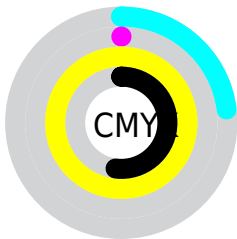
Blue (0%)



Red (0%)

Yellow (48%)

Blue (11%)

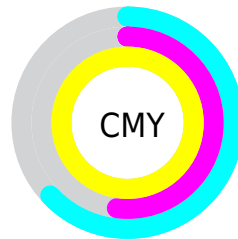


Cyan (23%)

Magenta (0%)

Yellow (100%)

Black (52%)



Cyan (63%)


Magenta (52%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2988, 0.3806, 0.5360 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 16.2988, 0.3806, 0.5360 by changing the saturation by 10% instead.


 16.2988, 0.3806,
0.5360


 16.2988, 0.3806,
0.5360


 231.0985, 0.3510,
0.4151


 9.7358, 0.3811,
0.5687


 37.1162, 0.3733,
0.4889

 5.2242, 0.3806,
0.6194

 52.1394, 0.3692,
0.4720

 2.3794, 0.3472,
0.6528

 70.7514, 0.3653,
0.4581

 0.8153, 0.1618,
0.8382

 93.3367, 0.3618,
0.4465


 0.0000, 0.0000,
0.0000


 120.2797, 0.3587,
0.4368


 151.9647, 0.3558,

0.4285

 188.7762, 0.3533,
0.4213


 16.2988, 0.3806,
0.5360


 16.2988, 0.3806,
0.5360

 16.2994, 0.3806,
0.5360

 16.4775, 0.3811,
0.5261

 16.6744, 0.3800,
0.5136

 16.8998, 0.3766,
0.4968

 17.1562, 0.3710,
0.4765

 17.4461, 0.3635,
0.4534

■ 17.7716, 0.3545,
0.4286

■ 18.1345, 0.3445,
0.4030

■ 18.5368, 0.3340,
0.3774

■ 18.9799, 0.3233,
0.3526

Harmonies

Analogous

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



16.2988, 0.4717, 0.4743



16.2988, 0.3806, 0.5360



16.2988, 0.2788, 0.5236

Triad

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



16.2988, 0.3806, 0.5360



16.2988, 0.1328, 0.2043



16.2988, 0.4325, 0.2559

Complementary

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



16.2988, 0.3806, 0.5360



1.6532, 0.1652, 0.0684

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.



16.2988, 0.3137, 0.2031



16.2988, 0.3806, 0.5360



16.2988, 0.1565, 0.1724

Square

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



16.2988, 0.3806, 0.5360



16.2988, 0.1423, 0.2827



16.2988, 0.2156, 0.1739



16.2988, 0.5179, 0.3227

Rectangle

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



16.2988, 0.3806, 0.5360



16.2988, 0.2170, 0.4556



16.2988, 0.2156, 0.1739



16.2988, 0.3935, 0.2362

Sweetspot

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



16.2995, 0.3806, 0.5360



31.8497, 0.3453, 0.4048



4.8969, 0.6089, 0.3547



7.2320, 0.3487, 0.4135



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



16.2995, 0.3806, 0.5360



28.6081, 0.3797, 0.5367



14.2714, 0.3149, 0.5882



4.5897, 0.3223, 0.3504



17.1540, 0.3805, 0.5361



81.4298, 0.3784, 0.5377

Inverse Universe

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



1.6532, 0.1652, 0.0684



2.8532, 0.1634, 0.0674



3.4532, 0.2527, 0.1166



3.9339, 0.3026, 0.3071



1.7365, 0.1650, 0.0683



7.9571, 0.1611, 0.0661

Previews

White Background



This preview shows how the Yxy color 16.2988, 0.3806, 0.5360 looks on a white 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

Black Background



This preview shows how the Yxy color 16.2988, 0.3806, 0.5360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

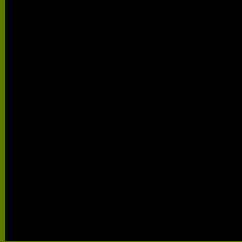
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.2988, 0.3806, 0.5360

Background



This preview shows how black text looks on a background with the Yxy color 16.2988, 0.3806, 0.5360.



This preview shows how white text looks on a background with the Yxy color 16.2988, 0.3806, 0.5360.

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

16.2988, 0.3806, 0.5360

Protanopia

16.1004, 0.4410, 0.4881

Deuteranopia

16.0287, 0.4612, 0.4540



Tritanopia

16.2187, 0.2920, 0.3107

Trichromacy



Original Color

16.2988, 0.3806, 0.5360

Protanomaly

16.1356, 0.4179, 0.5064

Deuteranomaly

15.9051, 0.4321, 0.4845

Tritanomaly

15.8075, 0.3385, 0.4120

Monochromacy



Original Color

16.2988, 0.3806, 0.5360

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

13.6920, 0.3549, 0.4290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2988, 0.3806, 0.5360 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(94, 122, 0)` looks like.

```
.text, #text, p{  
    color:rgb(94, 122, 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(94, 122, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 122, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.2988, 0.3806, 0.5360 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(94, 122, 0) }
```

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

```
.border{ border-color:rgb(94, 122, 0) }
```

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

Here you see how a box with a 4 pixel rgb(94, 122, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 122, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 122, 0);  
box-shadow:4px 4px 4px 4px rgb(94, 122, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.2988, 0.3806, 0.5360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 122, 0) }
```

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

```
.background{ background-color: rgb(94, 122,  
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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