

Converting Colors

$Y_{xy}(16.1808, 0.3704, 0.5342)$

Have a look what the booklet for
Yxy(16.1808, 0.3704, 0.5342)
contains.

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Color

Yxy(16.0695, 0.3706, 0.5343)

Conversions

Conversions Part 1

Format	Color
Hex	597A0C
RGB	89, 122, 12
RGB Percent	35%, 48%, 5%
CMY	0.6509, 0.5216, 0.9531
CMYK	0.27, 0.00, 0.90, 0.52
HSL	78°, 82%, 26%
HSV	78°, 90%, 48%
XYZ	11.1461, 16.0695, 2.8602
YIQ	99.5930, 15.6420, -41.2060

Conversions

Conversions Part 2

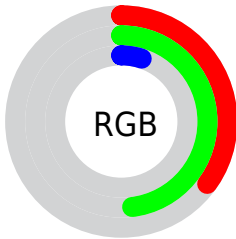
Format	Color
R_{YB}	12, 122, 45
Decimal	5863948
CIE Lab	47.07, -27.10, 49.28
CIE LCh	47, 56.239, 118.805
Yxy	16.0695, 0.3706, 0.5343
Android (android.graphics.Color)	4284054028 (0xFF597A0C)
YUV	99.5930, -43.1833, -9.2901
Hunter-Lab	40.0868, -20.5201, 23.8304

Details

The Yxy color **16.0695, 0.3706, 0.5343** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **2.2234, 0.1849, 0.0871**, and the grayscale version is **12.7432, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.8404, 0.3641, 0.4867**, and **5.1772, 0.3462, 0.5633** is the 20% darker color. If you saturate the color by 10%, you get **15.8708, 0.3691, 0.5451**, and if you desaturate by 10%, it is **16.2959, 0.3707, 0.5205**.

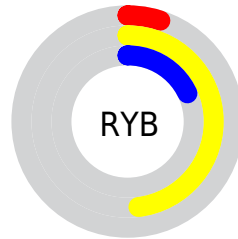
Distribution



Red (35%)

Green (48%)

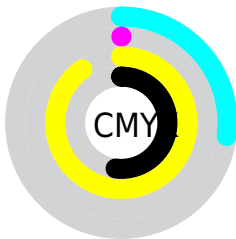
Blue (5%)



Red (5%)

Yellow (48%)

Blue (18%)

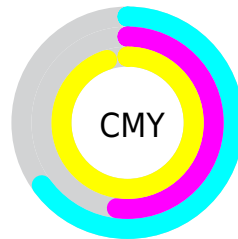


Cyan (27%)

Magenta (0%)

Yellow (90%)

Black (52%)



Cyan (65%)


Magenta (52%)


Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 16.0695, 0.3706, 0.5343 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 16.0695, 0.3706, 0.5343 by changing the saturation by 10% instead.


 16.0695, 0.3706,
0.5343


 16.0695, 0.3706,
0.5343


 229.7515, 0.3458,
0.4126


 9.5733, 0.3704,
0.5688


 36.7188, 0.3647,
0.4860

 5.1170, 0.3719,
0.6281

 51.6408, 0.3613,
0.4689


 2.3161, 0.3355,
0.6645

 70.1401, 0.3580,
0.4550

 0.7822, 0.0948,
0.9052


 92.6012, 0.3551,
0.4435


 0.0000, 0.0000,
0.0000


 119.4085, 0.3524,
0.4339


 150.9464, 0.3499,

0.4257

 187.5993, 0.3477,
0.4187

 16.0695, 0.3706,
0.5343


 16.0695, 0.3706,
0.5343


 15.8708, 0.3691,
0.5451

 16.2959, 0.3707,
0.5205

 16.5534, 0.3685,
0.5024

 16.8457, 0.3641,
0.4808

 17.1752, 0.3578,
0.4565

 17.5441, 0.3501,
0.4307

■ 17.9543, 0.3413,
0.4044

■ 18.4077, 0.3320,
0.3783

■ 18.9059, 0.3224,
0.3532

■ 19.4507, 0.3129,
0.3295

Harmonies

Analogous

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



16.0695, 0.4617, 0.4795



16.0695, 0.3706, 0.5343



16.0695, 0.2707, 0.5110

Triad

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



16.0695, 0.3706, 0.5343



16.0695, 0.1368, 0.2023



16.0695, 0.4402, 0.2635

Complementary

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



16.0695, 0.3706, 0.5343



2.2234, 0.1849, 0.0871

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.



16.0695, 0.3250, 0.2097



16.0695, 0.3706, 0.5343



16.0695, 0.1634, 0.1742

Square

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



16.0695, 0.3706, 0.5343



16.0695, 0.1431, 0.2744



16.0695, 0.2255, 0.1784



16.0695, 0.5175, 0.3303

Rectangle

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



16.0695, 0.3706, 0.5343



16.0695, 0.2116, 0.4398



16.0695, 0.2255, 0.1784



16.0695, 0.4030, 0.2436

Sweetspot

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



16.0702, 0.3706, 0.5343



31.7825, 0.3390, 0.3976



5.9014, 0.5645, 0.3717



7.2205, 0.3414, 0.4046



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.



16.0702, 0.3706, 0.5343



27.8481, 0.3679, 0.5461



14.3173, 0.3128, 0.5781



4.5765, 0.3213, 0.3504



16.7045, 0.3690, 0.5452



79.2236, 0.3664, 0.5473

Inverse Universe

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



2.2234, 0.1849, 0.0871



3.0859, 0.1712, 0.0717



4.2723, 0.2740, 0.1346



3.9464, 0.3036, 0.3072



1.8813, 0.1731, 0.0727



8.5804, 0.1685, 0.0702

Previews

White Background



This preview shows how the Yxy color 16.0695, 0.3706, 0.5343 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 16.0695, 0.3706, 0.5343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

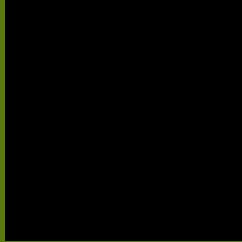
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.0695, 0.3706, 0.5343

Background



This preview shows how black text looks on a background with the Yxy color 16.0695, 0.3706, 0.5343.



This preview shows how white text looks on a background with the Yxy color 16.0695, 0.3706, 0.5343.

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

16.0695, 0.3706, 0.5343

Protanopia

16.0393, 0.4373, 0.4859

Deuteranopia

15.9537, 0.4581, 0.4526



Tritanopia

15.9247, 0.2860, 0.3104

Trichromacy



Original Color

16.0695, 0.3706, 0.5343

Protanomaly

16.0212, 0.4123, 0.5040

Deuteranomaly

15.7038, 0.4251, 0.4836

Tritanomaly

15.5868, 0.3270, 0.4048

Monochromacy



Original Color

16.0695, 0.3706, 0.5343

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

13.6293, 0.3470, 0.4211

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0695, 0.3706, 0.5343 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(89, 122, 12)` looks like.

```
.text, #text, p{  
    color:rgb(89, 122, 12)  
}
```

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(89, 122, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 122, 12) }
```

Border

The CSS property to change the border of an element to Yxy 16.0695, 0.3706, 0.5343 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(89, 122, 12) }
```

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

```
.border{ border-color:rgb(89, 122, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 122, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 122, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 122, 12);  
box-shadow:4px 4px 4px 4px rgb(89, 122,  
12) }
```


Background

The CSS property to change the background color of an element to Yxy 16.0695, 0.3706, 0.5343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 122, 12) }
```

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

```
.background{ background-color: rgb(89, 122,  
12) }
```

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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