

Converting Colors

$Y_{xy}(16.6460, 0.5176, 0.4199)$

Have a look what the booklet for
Yxy(16.6460, 0.5176, 0.4199)
contains.

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Color

Yxy(16.6460, 0.5176, 0.4199)

Conversions

Conversions Part 1

Format	Color
Hex	A95F0C
RGB	169, 95, 12
RGB Percent	66%, 37%, 5%
CMY	0.3373, 0.6274, 0.9531
CMYK	0.00, 0.44, 0.93, 0.34
HSL	32°, 87%, 35%
HSV	32°, 93%, 66%
XYZ	20.5191, 16.6460, 2.4777
YIQ	107.6640, 70.7470, -10.1250

Conversions

Conversions Part 2

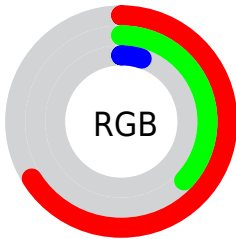
Format	Color
RYB	152, 169, 12
Decimal	11099916
CIELab	47.81, 24.90, 53.34
CIElCh	48, 58.869, 64.978
Yxy	16.6460, 0.5176, 0.4199
Android (android.graphics.Color)	4289289996 (0xFFA95F0C)
YUV	107.6640, -47.1624, 53.7917
Hunter-Lab	40.7995, 18.3730, 24.9591

Details

The Yxy color **16.6460, 0.5176, 0.4199** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **9.5866, 0.1801, 0.1624**, and the grayscale version is **15.0162, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7860, 0.4774, 0.4107**, and **5.4934, 0.5530, 0.3991** is the 20% darker color. If you saturate the color by 10%, you get **15.6423, 0.5313, 0.4163**, and if you desaturate by 10%, it is **18.2170, 0.4962, 0.4218**.

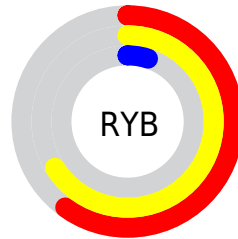
Distribution



Red (66%)

Green (37%)

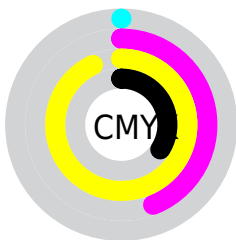
Blue (5%)



Red (60%)

Yellow (66%)

Blue (5%)

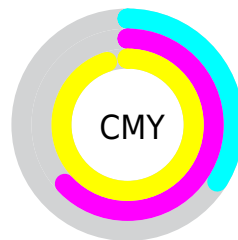


Cyan (0%)

Magenta (44%)

Yellow (93%)

Black (34%)



Cyan (34%)


Magenta (63%)

Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.6460, 0.5176, 0.4199 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 16.6460, 0.5176, 0.4199 by changing the saturation by 10% instead.


 16.6460, 0.5176,
0.4199


 16.6460, 0.5176,
0.4199


233.1240, 0.4057,
0.3822


 9.9824, 0.5437,
0.4213


 37.7161, 0.4769,
0.4108


 5.3873, 0.5795,
0.4205

 52.8914, 0.4613,
0.4057

 2.4763, 0.6041,
0.3959

 71.6728, 0.4482,
0.4008

 0.8647, 0.6459,
0.3541

 94.4446, 0.4370,
0.3963


 0.0000, 1.0000,
0.0000


 121.5912, 0.4275,
0.3923

 0.0000, 0.0000,
0.0000


 153.4971, 0.4192,


0.3885


 190.5466, 0.4120,
0.3852


 16.6460, 0.5176,
0.4199

 16.6460, 0.5176,
0.4199


 15.6423, 0.5313,
0.4163

 18.2170, 0.4962,
0.4218

 19.9836, 0.4719,
0.4186

 21.9575, 0.4461,
0.4110

 24.1479, 0.4203,
0.4002

 26.5635, 0.3957,
0.3874

■ 29.2121, 0.3728,
0.3736

■ 32.1013, 0.3521,
0.3596

■ 35.2380, 0.3335,
0.3458

■ 38.6289, 0.3171,
0.3327

Harmonies

Analogous

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



16.6460, 0.5311, 0.3441



16.6460, 0.5176, 0.4199



16.6460, 0.4472, 0.4977

Triad

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



16.6460, 0.5176, 0.4199



16.6460, 0.1708, 0.3689



16.6460, 0.2408, 0.1790

Complementary

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



16.6460, 0.5176, 0.4199



9.5866, 0.1801, 0.1624

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.



16.6460, 0.1694, 0.1687



16.6460, 0.5176, 0.4199



16.6460, 0.1345, 0.2524

Square

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



16.6460, 0.5176, 0.4199



16.6460, 0.2486, 0.4995



16.6460, 0.1354, 0.1894



16.6460, 0.3497, 0.2162

Rectangle

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



16.6460, 0.5176, 0.4199



16.6460, 0.3838, 0.5365



16.6460, 0.1354, 0.1894



16.6460, 0.2125, 0.1725

Sweetspot

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



16.6469, 0.5176, 0.4199



54.5605, 0.3633, 0.3674



9.3979, 0.4840, 0.2493



11.4347, 0.3722, 0.3732



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.



16.6469, 0.5176, 0.4199



27.5952, 0.5338, 0.4144



36.5462, 0.4150, 0.5046



8.1744, 0.3273, 0.3410



11.7675, 0.5299, 0.4175



0.3875, 0.4845, 0.4535

Inverse Universe

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



9.5866, 0.1801, 0.1624



14.8925, 0.1740, 0.1463



3.2240, 0.1544, 0.0665



7.8615, 0.2987, 0.3168



6.4746, 0.1754, 0.1512



0.2606, 0.1930, 0.2148

Previews

White Background



This preview shows how the Yxy color 16.6460, 0.5176, 0.4199 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 16.6460, 0.5176, 0.4199 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 16.6460, 0.5176, 0.4199

Background



This preview shows how black text looks on a background with the Yxy color 16.6460, 0.5176, 0.4199.



This preview shows how white text looks on a background with the Yxy color 16.6460, 0.5176, 0.4199.

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

16.6460, 0.5176, 0.4199

Protanopia

16.6675, 0.4332, 0.4804

Deuteranopia

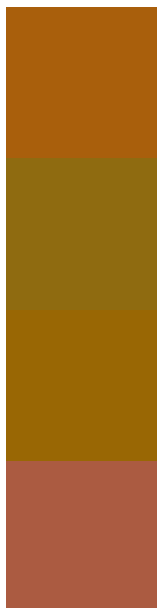
16.6544, 0.4705, 0.4646



Tritanopia

16.5763, 0.4342, 0.3189

Trichromacy



Original Color

16.6460, 0.5176, 0.4199

Protanomaly

16.3924, 0.4653, 0.4573

Deuteranomaly

16.4816, 0.4889, 0.4474

Tritanomaly

16.5218, 0.4768, 0.3666

Monochromacy



Original Color

16.6460, 0.5176, 0.4199

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

14.9274, 0.3956, 0.3871

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6460, 0.5176, 0.4199 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(169, 95, 12)` looks like.

```
.text, #text, p{  
  color:rgb(169, 95, 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(169, 95, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 95, 12) }
```

Border

The CSS property to change the border of an element to Yxy 16.6460, 0.5176, 0.4199 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(169, 95, 12) }
```

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

```
.border{ border-color:rgb(169, 95, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 95, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 95, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 95, 12);  
box-shadow:4px 4px 4px 4px rgb(169, 95,  
12) }
```


Background

The CSS property to change the background color of an element to Yxy 16.6460, 0.5176, 0.4199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 95, 12) }
```

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

```
.background{ background-color: rgb(169, 95,  
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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