

Converting Colors

$Y_{xy}(16.6077, 0.4950, 0.4452)$

Have a look what the booklet for
Yxy(16.6077, 0.4950, 0.4452)
contains.

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Color

Yxy(16.5707, 0.4955, 0.4448)

Conversions

Conversions Part 1

Format	Color
Hex	9C6600
RGB	156, 102, 0
RGB Percent	61%, 40%, 0%
CMY	0.3883, 0.6000, 1.0000
CMYK	0.00, 0.35, 1.00, 0.39
HSL	39°, 100%, 31%
HSV	39°, 100%, 61%
XYZ	18.4595, 16.5707, 2.2241
YIQ	106.5180, 64.9260, -20.2740

Conversions

Conversions Part 2

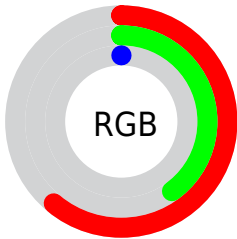
Format	Color
R _Y B	83, 156, 0
Decimal	10249728
CIE Lab	47.71, 14.92, 55.18
CIE LCh	48, 57.163, 74.867
Yxy	16.5707, 0.4955, 0.4448
Android (android.graphics.Color)	4288439808 (0xFF9C6600)
YUV	106.5180, -52.5134, 43.3957
Hunter-Lab	40.7071, 9.7071, 25.2556

Details

The Yxy color **16.5707, 0.4955, 0.4448** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.0357, 0.1649, 0.1135**, and the grayscale version is **14.6978, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5773, 0.4601, 0.4292**, and **5.3850, 0.5171, 0.4276** is the 20% darker color. If you saturate the color by 10%, you get **16.5717, 0.4955, 0.4448**, and if you desaturate by 10%, it is **17.7037, 0.4812, 0.4461**.

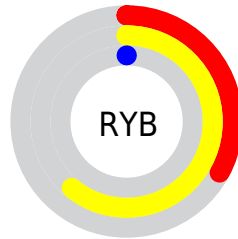
Distribution



Red (61%)

Green (40%)

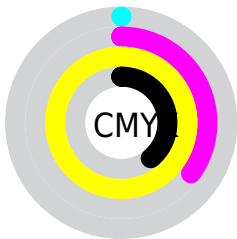
Blue (0%)



Red (33%)

Yellow (61%)

Blue (0%)

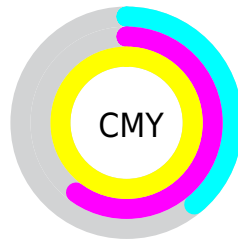


Cyan (0%)

Magenta (35%)

Yellow (100%)

Black (39%)



Cyan (39%)


Magenta (60%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.5707, 0.4955, 0.4448 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 16.5707, 0.4955, 0.4448 by changing the saturation by 10% instead.


 16.5707, 0.4955,
0.4448


 16.5707, 0.4955,
0.4448


232.6862, 0.3975,
0.3911


 9.9289, 0.5174,
0.4513


 37.5862, 0.4607,
0.4292


 5.3518, 0.5443,
0.4557

 52.7286, 0.4470,
0.4218

 2.4551, 0.5603,
0.4397

 71.4734, 0.4354,
0.4152

 0.8540, 0.5887,
0.4113

 94.2049, 0.4255,
0.4092


 0.0000, 1.0000,
0.0000


 121.3076, 0.4170,
0.4039

 0.0000, 0.0000,
0.0000


 153.1657, 0.4096,

0.3991


 190.1638, 0.4031,
0.3949


 16.5707, 0.4955,
0.4448

 16.5707, 0.4955,
0.4448


 16.5717, 0.4955,
0.4448

 17.7037, 0.4812,
0.4461

 18.9337, 0.4647,
0.4435

 20.2751, 0.4457,
0.4362

 21.7343, 0.4252,
0.4250

 23.3167, 0.4041,
0.4109

■ 25.0273, 0.3834,
0.3950

■ 26.8706, 0.3635,
0.3782

■ 28.8510, 0.3450,
0.3613

■ 30.9723, 0.3281,
0.3448

Harmonies

Analogous

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



16.5707, 0.5295, 0.3687



16.5707, 0.4955, 0.4448



16.5707, 0.4156, 0.5155

Triad

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



16.5707, 0.4955, 0.4448



16.5707, 0.1578, 0.3257



16.5707, 0.2743, 0.1913

Complementary

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



16.5707, 0.4955, 0.4448



5.0357, 0.1649, 0.1135

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.



16.5707, 0.1913, 0.1722



16.5707, 0.4955, 0.4448



16.5707, 0.1347, 0.2288

Square

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



16.5707, 0.4955, 0.4448



16.5707, 0.2217, 0.4571



16.5707, 0.1463, 0.1820



16.5707, 0.3881, 0.2357

Rectangle

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



16.5707, 0.4955, 0.4448



16.5707, 0.3504, 0.5391



16.5707, 0.1463, 0.1820



16.5707, 0.2423, 0.1820

Sweetspot

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



16.5717, 0.4955, 0.4448



48.6089, 0.3647, 0.3792



7.3385, 0.5545, 0.2828



10.4035, 0.3723, 0.3858



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.



16.5717, 0.4955, 0.4448



29.7257, 0.4973, 0.4433



28.7252, 0.3934, 0.5258



7.3336, 0.3269, 0.3436



13.7190, 0.4948, 0.4453



0.3213, 0.4584, 0.4743

Inverse Universe

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



5.0357, 0.1649, 0.1135



8.8138, 0.1639, 0.1101



2.5867, 0.1569, 0.0638



6.7919, 0.2988, 0.3140



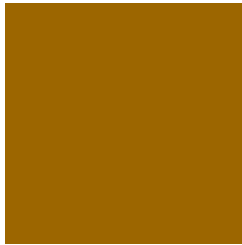
4.2083, 0.1652, 0.1148



0.1503, 0.1868, 0.1925

Previews

White Background



This preview shows how the Yxy color 16.5707, 0.4955, 0.4448 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 16.5707, 0.4955, 0.4448 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 16.5707, 0.4955, 0.4448

Background



This preview shows how black text looks on a background with the Yxy color 16.5707, 0.4955, 0.4448.



This preview shows how white text looks on a background with the Yxy color 16.5707, 0.4955, 0.4448.

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

16.5707, 0.4955, 0.4448

Protanopia

16.6480, 0.4359, 0.4844

Deuteranopia

16.6544, 0.4705, 0.4646



Tritanopia

16.6173, 0.4015, 0.3179

Trichromacy



Original Color

16.5707, 0.4955, 0.4448

Protanomaly

16.5705, 0.4570, 0.4705

Deuteranomaly

16.6040, 0.4789, 0.4579

Tritanomaly

16.4879, 0.4536, 0.3812

Monochromacy



Original Color

16.5707, 0.4955, 0.4448

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.8805, 0.3932, 0.4021

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5707, 0.4955, 0.4448 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(156, 102, 0)` looks like.

```
.text, #text, p{  
    color:rgb(156, 102, 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(156, 102, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 102, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.5707, 0.4955, 0.4448 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(156, 102, 0) }
```

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

```
.border{ border-color:rgb(156, 102, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 102, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 102, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 102, 0);  
box-shadow:4px 4px 4px 4px rgb(156, 102,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 16.5707, 0.4955, 0.4448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 102, 0) }
```

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

```
.background{ background-color: rgb(156,  
102, 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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