

Converting Colors

$Y_{xy}(16.8706, 0.4946, 0.4455)$

Have a look what the booklet for
Yxy(16.8706, 0.4946, 0.4455)
contains.

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Color

Yxy(16.8686, 0.4950, 0.4452)

Conversions

Conversions Part 1

Format	Color
Hex	9D6700
RGB	157, 103, 0
RGB Percent	62%, 40%, 0%
CMY	0.3843, 0.5961, 1.0000
CMYK	0.00, 0.34, 1.00, 0.38
HSL	39°, 100%, 31%
HSV	39°, 100%, 62%
XYZ	18.7555, 16.8686, 2.2658
YIQ	107.4040, 65.2470, -20.5850

Conversions

Conversions Part 2

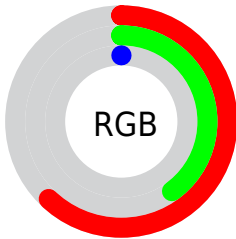
Format	Color
RYB	82, 157, 0
Decimal	10315520
CIELab	48.09, 14.83, 55.50
CIELCh	48, 57.442, 75.042
Yxy	16.8686, 0.4950, 0.4452
Android (android.graphics.Color)	4288505600 (0xFF9D6700)
YUV	107.4040, -52.9502, 43.4957
Hunter-Lab	41.0714, 9.6382, 25.4791

Details

The Yxy color **16.8686, 0.4950, 0.4452** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.0732, 0.1647, 0.1128**, and the grayscale version is **14.9585, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0579, 0.4601, 0.4298**, and **5.5377, 0.5160, 0.4285** is the 20% darker color. If you saturate the color by 10%, you get **16.8696, 0.4950, 0.4452**, and if you desaturate by 10%, it is **18.0154, 0.4808, 0.4465**.

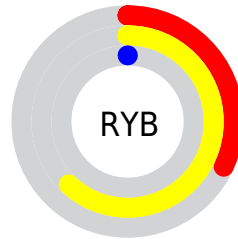
Distribution



Red (62%)

Green (40%)

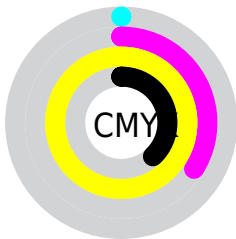
Blue (0%)



Red (32%)

Yellow (62%)

Blue (0%)

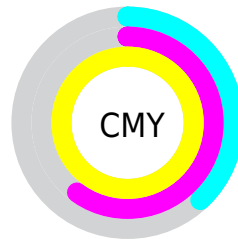


Cyan (0%)

Magenta (34%)

Yellow (100%)

Black (38%)



Cyan (38%)


Magenta (60%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.8686, 0.4950, 0.4452 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 16.8686, 0.4950, 0.4452 by changing the saturation by 10% instead.


 16.8686, 0.4950,
0.4452


 16.8686, 0.4950,
0.4452


234.4140, 0.3975,
0.3914


 10.1409, 0.5166,
0.4517


 38.0997, 0.4605,
0.4296


 5.4924, 0.5435,
0.4565

 53.3719, 0.4469,
0.4222

 2.5390, 0.5591,
0.4409

 72.2609, 0.4354,
0.4155

 0.8961, 0.5865,
0.4135

 95.1513, 0.4255,
0.4095

 0.0000, 1.0000,
0.0000


 122.4275, 0.4170,
0.4042

 0.0000, 0.0000,
0.0000


 154.4737, 0.4096,


0.3995


 191.6744, 0.4032,
0.3952

 16.8686, 0.4950,
0.4452

 16.8686, 0.4950,
0.4452

 16.8696, 0.4950,
0.4452

 18.0154, 0.4808,
0.4465

 19.2599, 0.4644,
0.4438

 20.6168, 0.4455,
0.4365

 22.0924, 0.4251,
0.4253

 23.6922, 0.4040,
0.4112

■ 25.4214, 0.3833,
0.3952

■ 27.2845, 0.3635,
0.3784

■ 29.2858, 0.3450,
0.3614

■ 31.4294, 0.3281,
0.3449

Harmonies

Analogous

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



16.8686, 0.5293, 0.3691



16.8686, 0.4950, 0.4452



16.8686, 0.4150, 0.5157

Triad

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



16.8686, 0.4950, 0.4452



16.8686, 0.1577, 0.3250



16.8686, 0.2750, 0.1916

Complementary

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



16.8686, 0.4950, 0.4452



5.0732, 0.1647, 0.1128

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.



16.8686, 0.1918, 0.1723



16.8686, 0.4950, 0.4452



16.8686, 0.1348, 0.2285

Square

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



16.8686, 0.4950, 0.4452



16.8686, 0.2213, 0.4563



16.8686, 0.1466, 0.1819



16.8686, 0.3887, 0.2362

Rectangle

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



16.8686, 0.4950, 0.4452



16.8686, 0.3498, 0.5390



16.8686, 0.1466, 0.1819



16.8686, 0.2429, 0.1822

Sweetspot

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



16.8696, 0.4950, 0.4452



48.6607, 0.3646, 0.3794



7.4440, 0.5546, 0.2829



10.4162, 0.3722, 0.3860



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.



16.8696, 0.4950, 0.4452



29.8413, 0.4968, 0.4438



29.1395, 0.3934, 0.5258



7.3358, 0.3269, 0.3436



13.7709, 0.4942, 0.4458



0.3220, 0.4581, 0.4745

Inverse Universe

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



5.0732, 0.1647, 0.1128



8.7609, 0.1638, 0.1095



2.6232, 0.1568, 0.0638



6.7897, 0.2988, 0.3139



4.1836, 0.1651, 0.1142



0.1496, 0.1867, 0.1919

Previews

White Background



This preview shows how the Yxy color 16.8686, 0.4950, 0.4452 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 16.8686, 0.4950, 0.4452 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 16.8686, 0.4950, 0.4452

Background



This preview shows how black text looks on a background with the Yxy color 16.8686, 0.4950, 0.4452.



This preview shows how white text looks on a background with the Yxy color 16.8686, 0.4950, 0.4452.

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

16.8686, 0.4950, 0.4452

Protanopia

16.9528, 0.4358, 0.4846

Deuteranopia

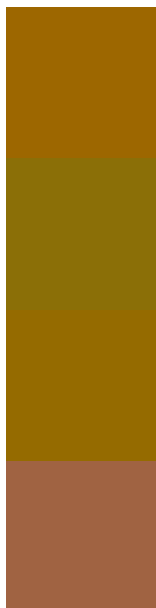
16.9570, 0.4701, 0.4649



Tritanopia

16.9221, 0.4007, 0.3179

Trichromacy



Original Color

16.8686, 0.4950, 0.4452

Protanomaly

16.8732, 0.4568, 0.4708

Deuteranomaly

16.9050, 0.4785, 0.4583

Tritanomaly

16.7906, 0.4524, 0.3809

Monochromacy



Original Color

16.8686, 0.4950, 0.4452

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

15.0854, 0.3924, 0.4039

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8686, 0.4950, 0.4452 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(157, 103, 0)` looks like.

```
.text, #text, p{  
    color:rgb(157, 103, 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(157, 103, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 103, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.8686, 0.4950, 0.4452 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(157, 103, 0) }
```

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

```
.border{ border-color:rgb(157, 103, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 103, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 103, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 103, 0);  
box-shadow:4px 4px 4px 4px rgb(157, 103,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8686, 0.4950, 0.4452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 103, 0) }
```

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

```
.background{ background-color: rgb(157,  
103, 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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