

Converting Colors

$Y_{xy}(16.3681, 0.4708, 0.4644)$

Have a look what the booklet for
Yxy(16.3681, 0.4708, 0.4644)
contains.

Yxy(16.3550, 0.4709, 0.4643)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.3550, 0.4709, 0.4643)

Conversions

Conversions Part 1

Format	Color
Hex	8F6B00
RGB	143, 107, 0
RGB Percent	56%, 42%, 0%
CMY	0.4392, 0.5804, 1.0000
CMYK	0.00, 0.25, 1.00, 0.44
HSL	45°, 100%, 28%
HSV	45°, 100%, 56%
XYZ	16.5875, 16.3550, 2.2826
YIQ	105.5660, 55.8030, -25.6450

Conversions

Conversions Part 2

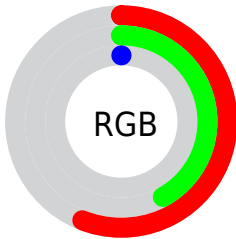
Format	Color
RYB	48, 143, 0
Decimal	9399040
CIELab	47.44, 5.98, 54.23
CIELCh	47, 54.556, 83.706
Yxy	16.3550, 0.4709, 0.4643
Android (android.graphics.Color)	4287589120 (0xFF8F6B00)
YUV	105.5660, -52.0440, 32.8296
Hunter-Lab	40.4413, 2.4416, 24.9625

Details

The Yxy color **16.3550, 0.4709, 0.4643** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **3.2470, 0.1590, 0.0923**, and the grayscale version is **14.4225, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2190, 0.4417, 0.4421**, and **5.3064, 0.4832, 0.4546** is the 20% darker color. If you saturate the color by 10%, you get **16.3555, 0.4709, 0.4643**, and if you desaturate by 10%, it is **17.1552, 0.4603, 0.4631**.

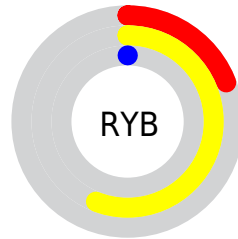
Distribution



Red (56%)

Green (42%)

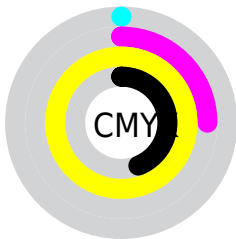
Blue (0%)



Red (19%)

Yellow (56%)

Blue (0%)

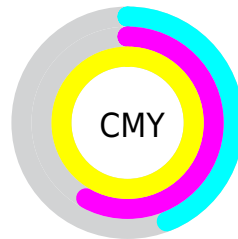


Cyan (0%)

Magenta (25%)

Yellow (100%)

Black (44%)



Cyan (44%)


Magenta (58%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3550, 0.4709, 0.4643 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 16.3550, 0.4709, 0.4643 by changing the saturation by 10% instead.


 16.3550, 0.4709,
0.4643


 16.3550, 0.4709,
0.4643


231.4275, 0.3869,
0.3963


 9.7757, 0.4887,
0.4761


 37.2134, 0.4415,
0.4421


 5.2505, 0.5109,
0.4891

 52.2613, 0.4298,
0.4327


 2.3950, 0.5178,
0.4822

 70.9009, 0.4198,
0.4244

 0.8233, 0.5308,
0.4692

 93.5165, 0.4113,
0.4172


 0.0000, 0.0000,
0.0000


 120.4926, 0.4039,
0.4109


 152.2135, 0.3975,


0.4054

 189.0637, 0.3919,
0.4006

 16.3550, 0.4709,
0.4643


 16.3550, 0.4709,
0.4643


 16.3555, 0.4709,
0.4643

 17.1552, 0.4603,
0.4631

 18.0079, 0.4477,
0.4584

 18.9254, 0.4326,
0.4494

 19.9120, 0.4157,
0.4365

 20.9717, 0.3976,
0.4208

■ 22.1077, 0.3793,
0.4031

■ 23.3233, 0.3612,
0.3844

■ 24.6213, 0.3439,
0.3655

■ 26.0044, 0.3277,
0.3469

Harmonies

Analogous

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



16.3550, 0.5187, 0.3904



16.3550, 0.4709, 0.4643



16.3550, 0.3864, 0.5224

Triad

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



16.3550, 0.4709, 0.4643



16.3550, 0.1525, 0.2939



16.3550, 0.3064, 0.2061

Complementary

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



16.3550, 0.4709, 0.4643



3.2470, 0.1590, 0.0923

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.



16.3550, 0.2153, 0.1797



16.3550, 0.4709, 0.4643



16.3550, 0.1401, 0.2149

Square

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



16.3550, 0.4709, 0.4643



16.3550, 0.2032, 0.4150



16.3550, 0.1607, 0.1807



16.3550, 0.4180, 0.2556

Rectangle

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



16.3550, 0.4709, 0.4643



16.3550, 0.3216, 0.5281



16.3550, 0.1607, 0.1807



16.3550, 0.2723, 0.1945

Sweetspot

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



16.3558, 0.4709, 0.4643



41.6151, 0.3624, 0.3856



5.9821, 0.5827, 0.2984



9.3515, 0.3691, 0.3927



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



16.3558, 0.4709, 0.4643



29.0001, 0.4722, 0.4633



22.9421, 0.3794, 0.5369



6.0585, 0.3264, 0.3454



14.4922, 0.4706, 0.4646



0.1736, 0.4426, 0.4867

Inverse Universe

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



3.2470, 0.1590, 0.0923



5.5754, 0.1581, 0.0891



2.3134, 0.1644, 0.0679



5.4621, 0.2990, 0.3121



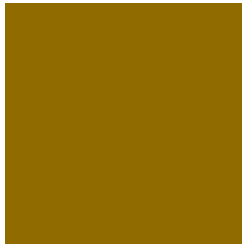
2.8998, 0.1592, 0.0931



0.0586, 0.1800, 0.1678

Previews

White Background



This preview shows how the Yxy color 16.3550, 0.4709, 0.4643 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 16.3550, 0.4709, 0.4643 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 16.3550, 0.4709, 0.4643

Background



This preview shows how black text looks on a background with the Yxy color 16.3550, 0.4709, 0.4643.



This preview shows how white text looks on a background with the Yxy color 16.3550, 0.4709, 0.4643.

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

16.3550, 0.4709, 0.4643

Protanopia

16.3398, 0.4369, 0.4856

Deuteranopia

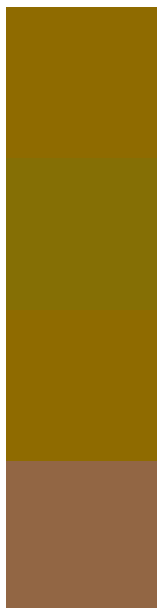
16.3550, 0.4709, 0.4643



Tritanopia

16.2811, 0.3743, 0.3153

Trichromacy



Original Color

16.3550, 0.4709, 0.4643

Protanomaly

16.3664, 0.4493, 0.4780

Deuteranomaly

16.3550, 0.4709, 0.4643

Tritanomaly

16.0311, 0.4272, 0.3880

Monochromacy



Original Color

16.3550, 0.4709, 0.4643

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.6353, 0.3846, 0.4086

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3550, 0.4709, 0.4643 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(143, 107, 0)` looks like.

```
.text, #text, p{  
    color:rgb(143, 107, 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(143, 107, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 107, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.3550, 0.4709, 0.4643 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(143, 107, 0) }
```

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

```
.border{ border-color:rgb(143, 107, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 107, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 107, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 107, 0);  
box-shadow:4px 4px 4px 4px rgb(143, 107,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3550, 0.4709, 0.4643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 107, 0) }
```

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

```
.background{ background-color: rgb(143,  
107, 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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