

Converting Colors

$Y_{xy}(16.4326, 0.4674, 0.4151)$

Have a look what the booklet for
Yxy(16.4326, 0.4674, 0.4151)
contains.

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Color

Yxy(16.3668, 0.4673, 0.4145)

Conversions

Conversions Part 1

Format	Color
Hex	9A652D
RGB	154, 101, 45
RGB Percent	60%, 40%, 18%
CMY	0.3961, 0.6039, 0.8236
CMYK	0.00, 0.34, 0.71, 0.40
HSL	31°, 55%, 39%
HSV	31°, 71%, 60%
XYZ	18.4516, 16.3668, 4.6672
YIQ	110.4630, 49.5640, -6.1800

Conversions

Conversions Part 2

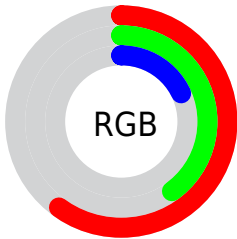
Format	Color
R_{YB}	148, 154, 45
Decimal	10118445
CIE _{Lab}	47.45, 16.01, 39.41
CIE _{LCh}	47, 42.535, 67.885
Yxy	16.3668, 0.4673, 0.4145
Android (android.graphics.Color)	4288308525 (0xFF9A652D)
YUV	110.4630, -32.2733, 38.1819
Hunter-Lab	40.4559, 10.6147, 21.4791

Details

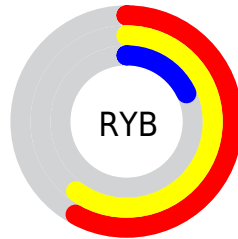
The Yxy color **16.3668, 0.4673, 0.4145** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **11.6175, 0.2046, 0.2108**, and the grayscale version is **15.8171, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2438, 0.4338, 0.4004**, and **5.2910, 0.5198, 0.4254** is the 20% darker color. If you saturate the color by 10%, you get **14.8820, 0.4927, 0.4187**, and if you desaturate by 10%, it is **18.0289, 0.4409, 0.4063**.

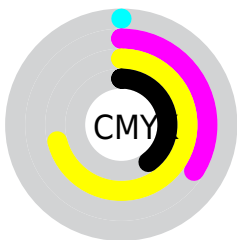
Distribution



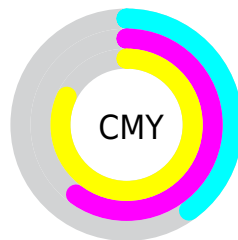
- Red (60%)
- Green (40%)
- Blue (18%)



- Red (58%)
- Yellow (60%)
- Blue (18%)



- Cyan (0%)
- Magenta (34%)
- Yellow (71%)
- Black (40%)




- Cyan (40%)
- Magenta (60%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3668, 0.4673, 0.4145 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 16.3668, 0.4673, 0.4145 by changing the saturation by 10% instead.


 16.3668, 0.4673,
0.4145


 16.3668, 0.4673,
0.4145


231.4965, 0.3793,
0.3714


 9.7841, 0.4912,
0.4225


 37.2338, 0.4333,
0.4000


 5.2560, 0.5238,
0.4308

 52.2869, 0.4210,
0.3940


 2.3983, 0.5659,
0.4341

 70.9323, 0.4109,
0.3889

 0.8250, 0.5968,
0.4032

 93.5542, 0.4025,
0.3844

 0.0000, 1.0000,
0.0000

 120.5373, 0.3953,
0.3805

 0.0000, 0.0000,
0.0000

 152.2657, 0.3892,

0.3771

189.1240, 0.3839,
0.3741

■ 16.3668, 0.4673,
0.4145

■ 16.3668, 0.4673,
0.4145

■ 14.8820, 0.4927,
0.4187

■ 18.0289, 0.4409,
0.4063

■ 13.5636, 0.5156,
0.4179

■ 19.8733, 0.4150,
0.3953

■ 12.4825, 0.5346,
0.4137

■ 21.9080, 0.3905,
0.3826

■ 24.1394, 0.3680,
0.3692

■ 26.5737, 0.3478,
0.3556

■ 29.2166, 0.3297,
0.3425

■ 32.0737, 0.3139,
0.3300

■ 35.1502, 0.3000,
0.3182

■ 38.4513, 0.2878,
0.3074

Harmonies

Analogous

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



16.3668, 0.4761, 0.3539



16.3668, 0.4673, 0.4145



16.3668, 0.4155, 0.4664

Triad

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



16.3668, 0.4673, 0.4145



16.3668, 0.2020, 0.3511



16.3668, 0.2670, 0.2137

Complementary

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



16.3668, 0.4673, 0.4145



11.6175, 0.2046, 0.2108

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.



16.3668, 0.2064, 0.2038



16.3668, 0.4673, 0.4145



16.3668, 0.1729, 0.2694

Square

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



16.3668, 0.4673, 0.4145



16.3668, 0.2622, 0.4399



16.3668, 0.1750, 0.2206



16.3668, 0.3503, 0.2461

Rectangle

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



16.3668, 0.4673, 0.4145



16.3668, 0.3669, 0.4841



16.3668, 0.1750, 0.2206



16.3668, 0.2437, 0.2077

Sweetspot

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



16.3676, 0.4673, 0.4145



47.9914, 0.3490, 0.3565



9.6543, 0.4228, 0.2469



10.5998, 0.3540, 0.3599



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.



16.3676, 0.4673, 0.4145



25.5865, 0.5067, 0.4188



30.1649, 0.4057, 0.4828



6.7214, 0.3271, 0.3405



10.2435, 0.5335, 0.4146



0.2259, 0.4757, 0.4605

Inverse Universe

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



11.6175, 0.2046, 0.2108



16.4251, 0.1872, 0.1799



4.7655, 0.1797, 0.1091



6.4970, 0.2989, 0.3173



6.0545, 0.1769, 0.1569



0.1629, 0.1982, 0.2335

Previews

White Background



This preview shows how the Yxy color 16.3668, 0.4673, 0.4145 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 16.3668, 0.4673, 0.4145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

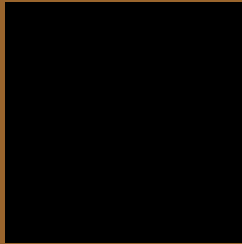
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.3668, 0.4673, 0.4145

Background



This preview shows how black text looks on a background with the Yxy color 16.3668, 0.4673, 0.4145.



This preview shows how white text looks on a background with the Yxy color 16.3668, 0.4673, 0.4145.

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

16.3668, 0.4673, 0.4145

Protanopia

16.4676, 0.4091, 0.4472

Deuteranopia

16.3525, 0.4436, 0.4350



Tritanopia

16.4128, 0.3986, 0.3177

Trichromacy



Original Color

16.3668, 0.4673, 0.4145

Protanomaly

16.3849, 0.4291, 0.4352

Deuteranomaly

16.3960, 0.4522, 0.4271

Tritanomaly

16.3116, 0.4287, 0.3556

Monochromacy



Original Color

16.3668, 0.4673, 0.4145

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.6229, 0.3686, 0.3705

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3668, 0.4673, 0.4145 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(154, 101, 45)` looks like.

```
.text, #text, p{  
    color:rgb(154, 101, 45)  
}
```

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(154, 101, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 101, 45) }
```

Border

The CSS property to change the border of an element to Yxy 16.3668, 0.4673, 0.4145 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(154, 101, 45) }
```

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

```
.border{ border-color:rgb(154, 101, 45) }
```

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

Here you see how a box with a 4 pixel rgb(154, 101, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 101, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 101, 45);  
box-shadow:4px 4px 4px 4px rgb(154, 101,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3668, 0.4673, 0.4145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 101, 45) }
```

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

```
.background{ background-color: rgb(154,  
101, 45) }
```

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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