

# Converting Colors

$Y_{xy}(12.0293, 0.4370, 0.4449)$

Have a look what the booklet for  
Yxy(12.0293, 0.4370, 0.4449)  
contains.

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**Color**

**Yxy(11.9725, 0.4366, 0.4444)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	765E22
RGB	118, 94, 34
RGB Percent	46%, 37%, 13%
CMY	0.5373, 0.6314, 0.8666
CMYK	0.00, 0.20, 0.71, 0.54
HSL	43°, 55%, 30%
HSV	43°, 71%, 46%
XYZ	11.7624, 11.9725, 3.2060
YIQ	94.3360, 33.5640, -13.5720

# Conversions

## Conversions Part 2

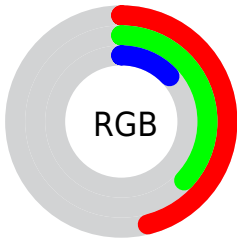
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	68, 118, 34
Decimal	7757346
CIE Lab	41.17, 2.73, 36.81
CIE LCh	41, 36.916, 85.754
Yxy	11.9725, 0.4366, 0.4444
Android (android.graphics.Color)	4285947426 (0xFF765E22)
YUV	94.3360, -29.7456, 20.7533
Hunter-Lab	34.6013, 0.1270, 18.7274

# Details

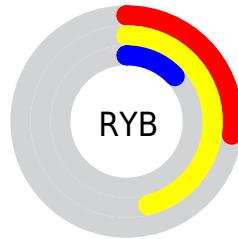
The Yxy color **11.9725, 0.4366, 0.4444** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **4.6757, 0.1953, 0.1678**, and the grayscale version is **11.3440, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.4400, 0.4086, 0.4187**, and **3.3072, 0.4723, 0.4632** is the 20% darker color. If you saturate the color by 10%, you get **11.3297, 0.4528, 0.4529**, and if you desaturate by 10%, it is **12.6660, 0.4188, 0.4323**.

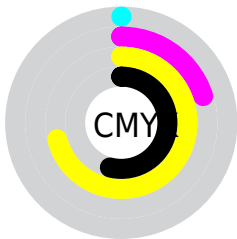
# Distribution



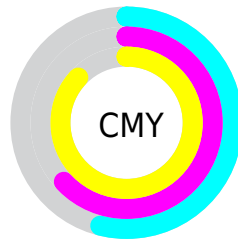
- Red (46%)
- Green (37%)
- Blue (13%)



- Red (27%)
- Yellow (46%)
- Blue (13%)



- Cyan (0%)
- Magenta (20%)
- Yellow (71%)
- Black (54%)




- Cyan (54%)
- Magenta (63%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 11.9725, 0.4366, 0.4444 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 11.9725, 0.4366, 0.4444 by changing the saturation by 10% instead.





 11.9725, 0.4366,  
0.4444


 11.9725, 0.4366,  
0.4444


204.2232, 0.3643,  
0.3783


 6.7250, 0.4564,  
0.4613


 29.4450, 0.4082,  
0.4191


 3.2907, 0.5000,  
0.5000

 42.4388, 0.3981,  
0.4098


 1.2853, 0.5046,  
0.4954

 58.7834, 0.3898,  
0.4022

 0.1298, 0.5942,  
0.4058

 78.8632, 0.3829,  
0.3958

 0.0000, 0.0000,  
0.0000

 103.0628, 0.3771,  
0.3904

 131.7663, 0.3722,

0.3858

165.3583, 0.3680,  
0.3818

11.9725, 0.4366,  
0.4444

11.9725, 0.4366,  
0.4444

11.3297, 0.4528,  
0.4529

12.6660, 0.4188,  
0.4323

10.7331, 0.4666,  
0.4570

13.4111, 0.4001,  
0.4174

10.2362, 0.4779,  
0.4588

14.2104, 0.3813,  
0.4007

15.0661, 0.3630,  
0.3831

15.9801, 0.3456,  
0.3653

■ 16.9540, 0.3293,  
0.3478

■ 17.9897, 0.3144,  
0.3309

■ 19.0887, 0.3008,  
0.3150

■ 20.2525, 0.2885,  
0.3000

# Harmonies

## Analogous

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



11.9725, 0.4715, 0.3891



11.9725, 0.4366, 0.4444



11.9725, 0.3710, 0.4777

# Triad

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



11.9725, 0.4366, 0.4444



11.9725, 0.1850, 0.3006



11.9725, 0.3151, 0.2336

# Complementary

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



11.9725, 0.4366, 0.4444



4.6757, 0.1953, 0.1678

# 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.



11.9725, 0.2416, 0.2104



11.9725, 0.4366, 0.4444



11.9725, 0.1748, 0.2395

# Square

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



11.9725, 0.4366, 0.4444



11.9725, 0.2262, 0.3867



11.9725, 0.1939, 0.2110



11.9725, 0.3981, 0.2758



# Rectangle

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



11.9725, 0.4366, 0.4444



11.9725, 0.3197, 0.4728



11.9725, 0.1939, 0.2110



11.9725, 0.2884, 0.2234

# Sweetspot

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



11.9731, 0.4366, 0.4444



28.0419, 0.3462, 0.3659



5.3145, 0.4681, 0.2815



6.3673, 0.3498, 0.3697



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290



# Same Dimension

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



11.9731, 0.4366, 0.4444



19.2895, 0.4613, 0.4559



15.8494, 0.3806, 0.4962



4.0979, 0.3260, 0.3441



11.0535, 0.4782, 0.4585



52.3489, 0.4821, 0.4554



# Inverse Universe

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



4.6757, 0.1953, 0.1678



5.7240, 0.1744, 0.1293



3.1523, 0.2013, 0.1221



3.7446, 0.2995, 0.3134



2.6152, 0.1617, 0.1022



11.4523, 0.1593, 0.0935



# Previews

## White Background



This preview shows how the Yxy color 11.9725, 0.4366, 0.4444 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

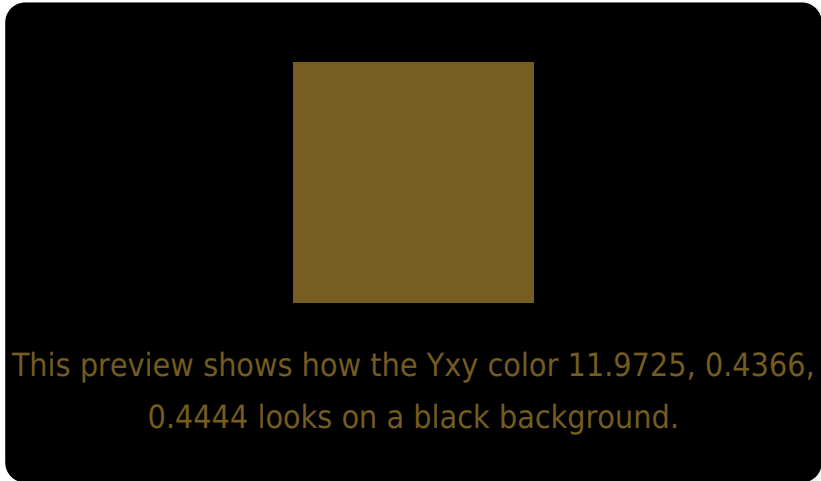
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

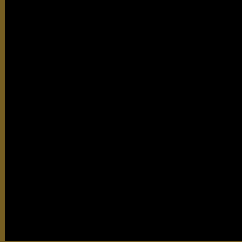
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**Yxy 11.9725, 0.4366, 0.4444**

## **Background**



This preview shows how black text looks on a background with the Yxy color 11.9725, 0.4366, 0.4444.



This preview shows how white text looks on a background with the Yxy color 11.9725, 0.4366, 0.4444.

# 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

11.9725, 0.4366, 0.4444

### Protanopia

12.1079, 0.4153, 0.4580

### Deuteranopia

11.9132, 0.4450, 0.4361



## Tritanopia

11.9432, 0.3580, 0.3148

# Trichromacy



## Original Color

11.9725, 0.4366, 0.4444

## Protanomaly

12.1155, 0.4216, 0.4536

## Deuteranomaly

12.0150, 0.4419, 0.4387

## Tritanomaly

11.8583, 0.3918, 0.3646

# Monochromacy



## Original Color

11.9725, 0.4366, 0.4444

## Achromatopsia

11.1932, 0.3127, 0.3290

## Achromatomaly

11.3569, 0.3603, 0.3801

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 11.9725, 0.4366, 0.4444 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(118, 94, 34)` looks like.

```
.text, #text, p{  
  color:rgb(118, 94, 34)  
}
```

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(118, 94, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 94, 34) }
```

## Border

The CSS property to change the border of an element to Yxy 11.9725, 0.4366, 0.4444 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(118, 94, 34) }
```

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

```
.border{ border-color:rgb(118, 94, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 94, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 94, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 94, 34);  
box-shadow:4px 4px 4px 4px rgb(118, 94,  
34) }
```



# Background

The CSS property to change the background color of an element to Yxy 11.9725, 0.4366, 0.4444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 94, 34) }
```

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

```
.background{ background-color: rgb(118, 94,  
34) }
```

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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