

Converting Colors

$Y_{xy}(13.0037, 0.4754, 0.5246)$

Have a look what the booklet for
Yxy(13.0037, 0.4754, 0.5246)
contains.

| | |
|---|----|
| Yxy(13.1589, 0.4460, 0.4841) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(13.1589, 0.4460, 0.4841)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 766500 |
| RGB | 118, 101, 0 |
| RGB Percent | 46%, 40%, 0% |
| CMY | 0.5373, 0.6039, 1.0000 |
| CMYK | 0.00, 0.14, 1.00, 0.54 |
| HSL | 51°, 100%, 23% |
| HSV | 51°, 100%, 46% |
| XYZ | 12.1233, 13.1589, 1.9000 |
| YIQ | 94.5690, 42.5530, -27.8070 |

Conversions

Conversions Part 2

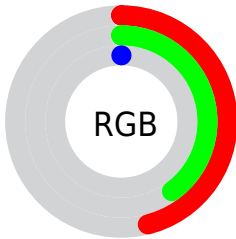
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 20, 118, 0 |
| Decimal | 7759104 |
| CIE Lab | 43.00, -2.63, 49.85 |
| CIE LCh | 43, 49.921, 93.019 |
| Yxy | 13.1589, 0.4460, 0.4841 |
| Android (android.graphics.Color) | 4285949184 (0xFF766500) |
| YUV | 94.5690, -46.6225, 20.5490 |
| Hunter-Lab | 36.2752, -3.8265, 22.2871 |

Details

The Yxy color **13.1589, 0.4460, 0.4841** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.7078, 0.1545, 0.0760**, and the grayscale version is **11.4412, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7814, 0.4206, 0.4531**, and **3.8562, 0.4455, 0.4845** is the 20% darker color. If you saturate the color by 10%, you get **13.1596, 0.4460, 0.4841**, and if you desaturate by 10%, it is **13.5188, 0.4385, 0.4798**.

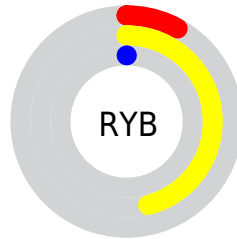
Distribution



Red (46%)

Green (40%)

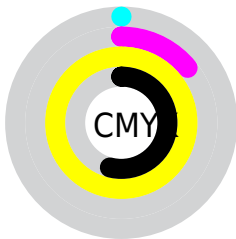
Blue (0%)



Red (8%)

Yellow (46%)

Blue (0%)

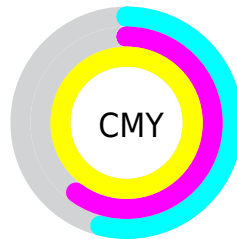


Cyan (0%)

Magenta (14%)

Yellow (100%)

Black (54%)



Cyan (54%)


Magenta (60%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1589, 0.4460, 0.4841 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 13.1589, 0.4460, 0.4841 by changing the saturation by 10% instead.


 13.1589, 0.4460,
0.4841


 13.1589, 0.4460,
0.4841

 211.9335, 0.3742,
0.3986


 7.5381, 0.4621,
0.5048


 31.5890, 0.4209,
0.4533


 3.8008, 0.4755,
0.5245

 45.1670, 0.4109,
0.4413


 1.5628, 0.4714,
0.5286

 62.1662, 0.4023,
0.4312

 0.3323, 0.4310,
0.5690

 82.9709, 0.3949,
0.4226


 0.0000, 0.0000,
0.0000


 107.9656, 0.3886,
0.4152


 137.5347, 0.3832,


0.4089

 172.0626, 0.3784,
0.4034


 13.1589, 0.4460,
0.4841


 13.1589, 0.4460,
0.4841

 13.1596, 0.4460,
0.4841

 13.5188, 0.4385,
0.4798

 13.8970, 0.4296,
0.4730

 14.3032, 0.4182,
0.4622

 14.7401, 0.4048,
0.4478

 15.2098, 0.3900,
0.4304

■ 15.7141, 0.3742,
0.4111

■ 16.2549, 0.3582,
0.3906

■ 16.8337, 0.3424,
0.3697

■ 17.4521, 0.3272,
0.3490

Harmonies

Analogous

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



13.1589, 0.5070, 0.4129



13.1589, 0.4460, 0.4841



13.1589, 0.3565, 0.5266

Triad

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



13.1589, 0.4460, 0.4841



13.1589, 0.1470, 0.2652



13.1589, 0.3402, 0.2207

Complementary

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



13.1589, 0.4460, 0.4841



1.7078, 0.1545, 0.0760

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.



13.1589, 0.2409, 0.1869



13.1589, 0.4460, 0.4841



13.1589, 0.1451, 0.2020

Square

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



13.1589, 0.4460, 0.4841



13.1589, 0.1850, 0.3746



13.1589, 0.1756, 0.1791



13.1589, 0.4476, 0.2753

Rectangle

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



13.1589, 0.4460, 0.4841



13.1589, 0.2921, 0.5126



13.1589, 0.1756, 0.1791



13.1589, 0.3042, 0.2067

Sweetspot

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



13.1596, 0.4460, 0.4841



28.5160, 0.3594, 0.3922



3.8932, 0.6119, 0.3145



6.4830, 0.3647, 0.3990



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.



13.1596, 0.4460, 0.4841



23.0012, 0.4467, 0.4835



14.5182, 0.3613, 0.5514



4.1808, 0.3257, 0.3470



14.2270, 0.4461, 0.4840



68.3704, 0.4477, 0.4827

Inverse Universe

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



1.7078, 0.1545, 0.0760



2.8743, 0.1537, 0.0732



1.7851, 0.1805, 0.0768



3.6671, 0.2995, 0.3103



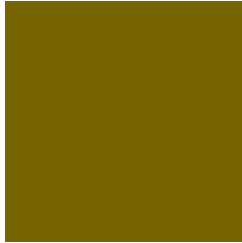
1.8352, 0.1543, 0.0756



8.1549, 0.1527, 0.0697

Previews

White Background



This preview shows how the Yxy color 13.1589, 0.4460, 0.4841 looks on a white background.

Color Contrast Check

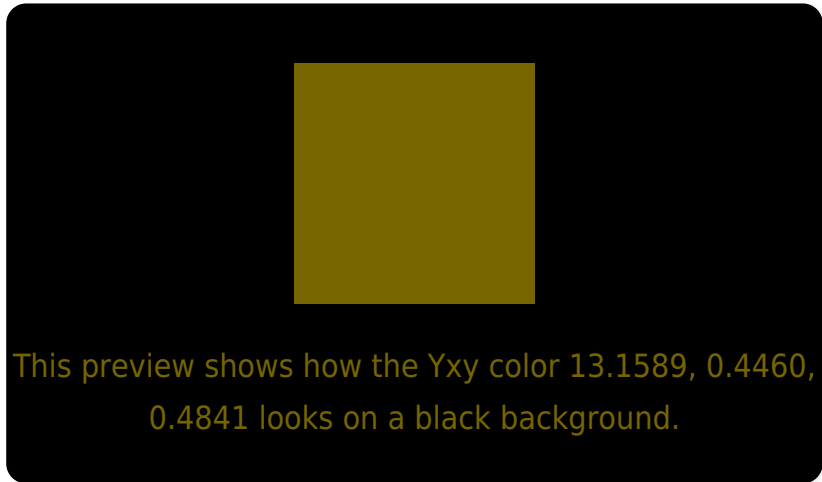
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.1589, 0.4460, 0.4841

Background



This preview shows how black text looks on a background with the Yxy color 13.1589, 0.4460, 0.4841.

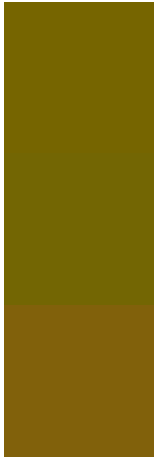


This preview shows how white text looks on a background with the Yxy color 13.1589, 0.4460, 0.4841.

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

13.1589, 0.4460, 0.4841

Protanopia

13.1542, 0.4386, 0.4873

Deuteranopia

13.2407, 0.4649, 0.4598



Tritanopia

13.2301, 0.3493, 0.3151

Trichromacy



Original Color

13.1589, 0.4460, 0.4841

Protanomaly

13.2201, 0.4405, 0.4867

Deuteranomaly

13.1107, 0.4590, 0.4678

Tritanomaly

13.0571, 0.4013, 0.3962

Monochromacy



Original Color

13.1589, 0.4460, 0.4841

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.7592, 0.3759, 0.4137

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1589, 0.4460, 0.4841 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, 101, 0)` looks like.

```
.text, #text, p{  
    color:rgb(118, 101, 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(118, 101, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 101, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.1589, 0.4460, 0.4841 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, 101, 0) }
```

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

```
.border{ border-color:rgb(118, 101, 0) }
```

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

Here you see how a box with a 4 pixel rgb(118, 101, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 101, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 101, 0);  
box-shadow:4px 4px 4px 4px rgb(118, 101,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 13.1589, 0.4460, 0.4841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 101, 0) }
```

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

```
.background{ background-color: rgb(118,  
101, 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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