

Converting Colors

$Y_{xy}(13.2886, 0.4723, 0.5269)$

Have a look what the booklet for
Yxy(13.2886, 0.4723, 0.5269)
contains.

Yxy(13.3543, 0.4443, 0.4854)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(13.3543, 0.4443, 0.4854)

Conversions

Conversions Part 1

Format	Color
Hex	766600
RGB	118, 102, 0
RGB Percent	46%, 40%, 0%
CMY	0.5372, 0.6000, 0.9999
CMYK	0.00, 0.14, 1.00, 0.54
HSL	52°, 100%, 23%
HSV	52°, 100%, 46%
XYZ	12.2236, 13.3543, 1.9341
YIQ	95.1560, 42.2780, -28.3300

Conversions

Conversions Part 2

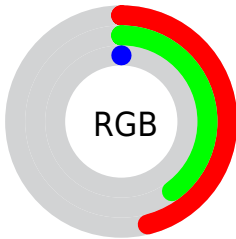
Format	Color
R_{YB}	19, 118, 0
Decimal	7759360
CIE _{Lab}	43.29, -3.19, 50.04
CIE _{LCh}	43, 50.146, 93.647
Yxy	13.3543, 0.4443, 0.4854
Android (android.graphics.Color)	4285949440 (0xFF766600)
YUV	95.1560, -46.9119, 20.0342
Hunter-Lab	36.5435, -4.2442, 22.4425

Details

The Yxy color **13.3543, 0.4443, 0.4854** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.6801, 0.1542, 0.0749**, and the grayscale version is **11.5917, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.1074, 0.4197, 0.4543**, and **3.9522, 0.4426, 0.4867** is the 20% darker color. If you saturate the color by 10%, you get **13.3541, 0.4443, 0.4854**, and if you desaturate by 10%, it is **13.6988, 0.4371, 0.4810**.

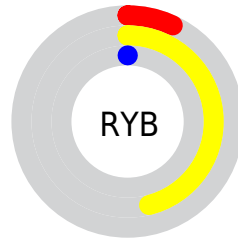
Distribution



Red (46%)

Green (40%)

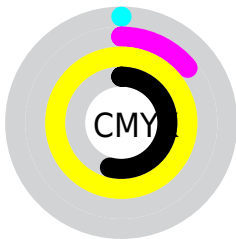
Blue (0%)



Red (7%)

Yellow (46%)

Blue (0%)

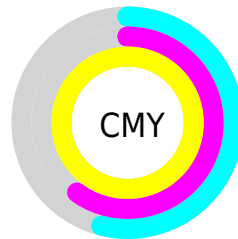


Cyan (0%)

Magenta (14%)

Yellow (100%)

Black (54%)



Cyan (54%)


Magenta (60%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.3543, 0.4443, 0.4854 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 13.3543, 0.4443, 0.4854 by changing the saturation by 10% instead.


 13.3543, 0.4443,
0.4854


 13.3543, 0.4443,
0.4854


 213.1760, 0.3737,
0.3991


 7.6730, 0.4598,
0.5062


 31.9388, 0.4198,
0.4542


 3.8864, 0.4731,
0.5269

 45.6109, 0.4099,
0.4421


 1.6102, 0.4682,
0.5318

 62.7152, 0.4014,
0.4319

 0.3645, 0.4242,
0.5758


 83.6363, 0.3942,
0.4233


 0.0000, 0.0000,
0.0000


 108.7585, 0.3880,
0.4159


 138.4663, 0.3826,


0.4095


 173.1440, 0.3779,
0.4040

 13.3543, 0.4443,
0.4854

 13.3543, 0.4443,
0.4854


 13.3541, 0.4443,
0.4854

 13.6988, 0.4371,
0.4810

 14.0610, 0.4284,
0.4741

 14.4506, 0.4173,
0.4632

 14.8700, 0.4042,
0.4487

 15.3214, 0.3895,
0.4312

■ 15.8068, 0.3739,
0.4117

■ 16.3279, 0.3580,
0.3911

■ 16.8863, 0.3423,
0.3700

■ 17.4834, 0.3271,
0.3491

Harmonies

Analogous

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



13.3543, 0.5061, 0.4145



13.3543, 0.4443, 0.4854



13.3543, 0.3545, 0.5267

Triad

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



13.3543, 0.4443, 0.4854



13.3543, 0.1466, 0.2634



13.3543, 0.3425, 0.2217

Complementary

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



13.3543, 0.4443, 0.4854



1.6801, 0.1542, 0.0749

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.



13.3543, 0.2427, 0.1874



13.3543, 0.4443, 0.4854



13.3543, 0.1455, 0.2012

Square

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



13.3543, 0.4443, 0.4854



13.3543, 0.1839, 0.3720



13.3543, 0.1766, 0.1791



13.3543, 0.4496, 0.2766

Rectangle

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



13.3543, 0.4443, 0.4854



13.3543, 0.2901, 0.5113



13.3543, 0.1766, 0.1791



13.3543, 0.3064, 0.2076

Sweetspot

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



13.3549, 0.4443, 0.4854



28.6325, 0.3593, 0.3927



3.8956, 0.6118, 0.3145



6.5125, 0.3645, 0.3996



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.



13.3549, 0.4443, 0.4854



23.3400, 0.4450, 0.4849



14.5248, 0.3613, 0.5513



4.1856, 0.3257, 0.3472



14.4321, 0.4444, 0.4853



69.4131, 0.4460, 0.4841

Inverse Universe

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



1.6801, 0.1542, 0.0749



2.8275, 0.1534, 0.0721



1.7869, 0.1806, 0.0769



3.6627, 0.2995, 0.3101



1.8039, 0.1540, 0.0744



8.0347, 0.1525, 0.0688

Previews

White Background



This preview shows how the Yxy color 13.3543, 0.4443, 0.4854 looks on a white background.

Color Contrast Check

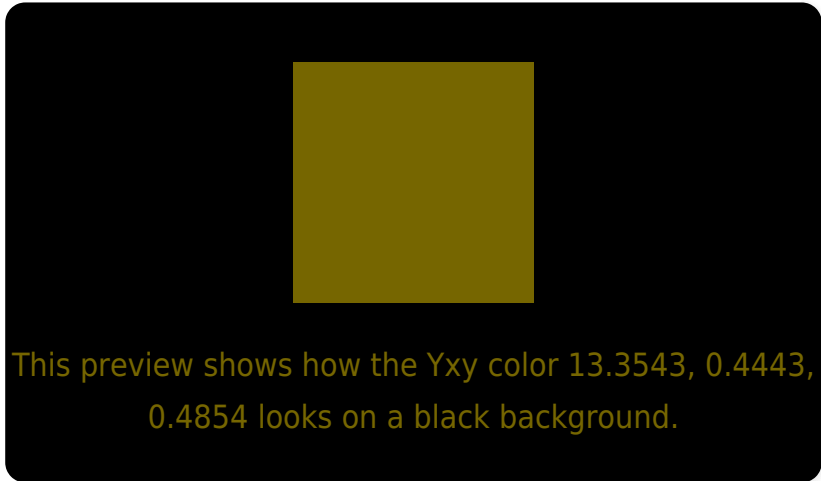
Large Text (above 18pt) WCAG AA ✓ Pass

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

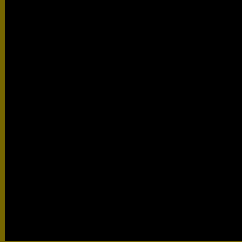
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.3543, 0.4443, 0.4854

Background



This preview shows how black text looks on a background with the Yxy color 13.3543, 0.4443, 0.4854.

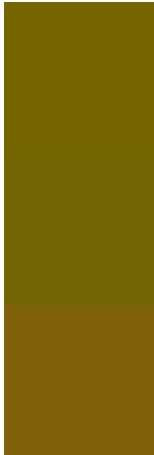


This preview shows how white text looks on a background with the Yxy color 13.3543, 0.4443, 0.4854.

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

13.3543, 0.4443, 0.4854

Protanopia

13.4201, 0.4384, 0.4875

Deuteranopia

13.3218, 0.4659, 0.4582



Tritanopia

13.4288, 0.3474, 0.3151

Trichromacy



Original Color

13.3543, 0.4443, 0.4854

Protanomaly

13.4868, 0.4403, 0.4869

Deuteranomaly

13.3768, 0.4583, 0.4676

Tritanomaly

13.2546, 0.3989, 0.3962

Monochromacy



Original Color

13.3543, 0.4443, 0.4854

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.9452, 0.3750, 0.4157

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3543, 0.4443, 0.4854 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, 102, 0)` looks like.

```
.text, #text, p{  
  color:rgb(118, 102, 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, 102, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 102, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.3543, 0.4443, 0.4854 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, 102, 0) }
```

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

```
.border{ border-color:rgb(118, 102, 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, 102, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 102, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 102, 0);  
box-shadow:4px 4px 4px 4px rgb(118, 102,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 13.3543, 0.4443, 0.4854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 102, 0) }
```

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

```
.background{ background-color: rgb(118,  
102, 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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