

Converting Colors

$Y_{xy}(13.9789, 0.4352, 0.4835)$

Have a look what the booklet for
Yxy(13.9789, 0.4352, 0.4835)
contains.

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Color

Yxy(13.9789, 0.4352, 0.4835)

Conversions

Conversions Part 1

Format	Color
Hex	76690B
RGB	118, 105, 11
RGB Percent	46%, 41%, 4%
CMY	0.5373, 0.5882, 0.9570
CMYK	0.00, 0.11, 0.91, 0.54
HSL	53°, 83%, 25%
HSV	53°, 91%, 46%
XYZ	12.5825, 13.9789, 2.3505
YIQ	98.1710, 37.9220, -26.4780

Conversions

Conversions Part 2

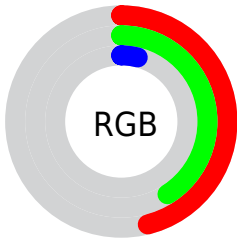
Format	Color
R_{YB}	26, 118, 11
Decimal	7760139
CIE Lab	44.20, -4.67, 48.11
CIE LCh	44, 48.335, 95.541
Yxy	13.9789, 0.4352, 0.4835
Android (android.graphics.Color)	4285950219 (0xFF76690B)
YUV	98.1710, -42.9753, 17.3900
Hunter-Lab	37.3884, -5.3583, 22.4444

Details

The Yxy color **13.9789, 0.4352, 0.4835** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.0303, 0.1616, 0.0879**, and the grayscale version is **12.3605, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.0545, 0.4118, 0.4521**, and **4.1844, 0.4396, 0.4892** is the 20% darker color. If you saturate the color by 10%, you get **13.6864, 0.4414, 0.4877**, and if you desaturate by 10%, it is **14.3106, 0.4272, 0.4767**.

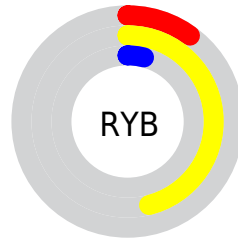
Distribution



Red (46%)

Green (41%)

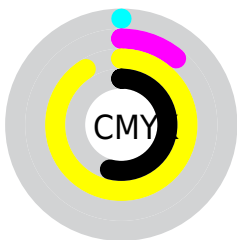
Blue (4%)



Red (10%)

Yellow (46%)

Blue (4%)

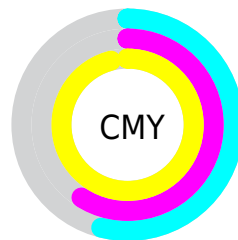


Cyan (0%)

Magenta (11%)

Yellow (91%)

Black (54%)



Cyan (54%)

Magenta (59%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.9789, 0.4352, 0.4835 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 13.9789, 0.4352, 0.4835 by changing the saturation by 10% instead.


 13.9789, 0.4352,
0.4835


 13.9789, 0.4352,
0.4835


217.0995, 0.3694,
0.3972


 8.1060, 0.4487,
0.5040


 33.0516, 0.4121,
0.4516

 4.1628, 0.4669,
0.5331

 47.0202, 0.4029,
0.4395

 1.7651, 0.4600,
0.5400


 64.4561, 0.3950,
0.4294

 0.4653, 0.4137,
0.5863


 85.7437, 0.3883,
0.4208


 0.0000, 0.0000,
0.0000


 111.2675, 0.3826,
0.4136

 141.4118, 0.3776,


0.4073

 176.5610, 0.3732,
0.4019


 13.9789, 0.4352,
0.4835


 13.9789, 0.4352,
0.4835


 13.6864, 0.4414,
0.4877

 14.3106, 0.4272,
0.4767

 14.6676, 0.4166,
0.4659

 15.0530, 0.4040,
0.4515

 15.4691, 0.3898,
0.4340

 15.9178, 0.3746,
0.4144

■ 16.4007, 0.3589,
0.3936

■ 16.9196, 0.3433,
0.3722

■ 17.4759, 0.3281,
0.3510

■ 18.0710, 0.3137,
0.3304

Harmonies

Analogous

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



13.9789, 0.4957, 0.4174



13.9789, 0.4352, 0.4835



13.9789, 0.3483, 0.5168

Triad

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



13.9789, 0.4352, 0.4835



13.9789, 0.1522, 0.2622



13.9789, 0.3481, 0.2289

Complementary

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



13.9789, 0.4352, 0.4835



2.0303, 0.1616, 0.0879

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.



13.9789, 0.2513, 0.1942



13.9789, 0.4352, 0.4835



13.9789, 0.1528, 0.2045

Square

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



13.9789, 0.4352, 0.4835



13.9789, 0.1864, 0.3628



13.9789, 0.1851, 0.1847



13.9789, 0.4483, 0.2832

Rectangle

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



13.9789, 0.4352, 0.4835



13.9789, 0.2865, 0.4972



13.9789, 0.1851, 0.1847



13.9789, 0.3134, 0.2148

Sweetspot

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



13.9796, 0.4352, 0.4835



29.1110, 0.3542, 0.3871



4.1610, 0.5860, 0.3139



6.6401, 0.3582, 0.3926



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.



13.9796, 0.4352, 0.4835



23.9424, 0.4420, 0.4872



14.6311, 0.3608, 0.5419



4.1941, 0.3257, 0.3475



14.7965, 0.4415, 0.4876



71.2685, 0.4429, 0.4866

Inverse Universe

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



2.0303, 0.1616, 0.0879



2.7511, 0.1529, 0.0704



2.2300, 0.1943, 0.0919



3.6549, 0.2995, 0.3098



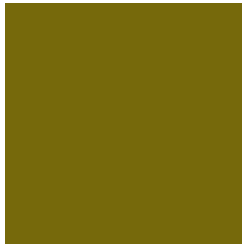
1.7526, 0.1535, 0.0726



7.8410, 0.1520, 0.0673

Previews

White Background



This preview shows how the Yxy color 13.9789, 0.4352, 0.4835 looks on a white background.

Color Contrast Check

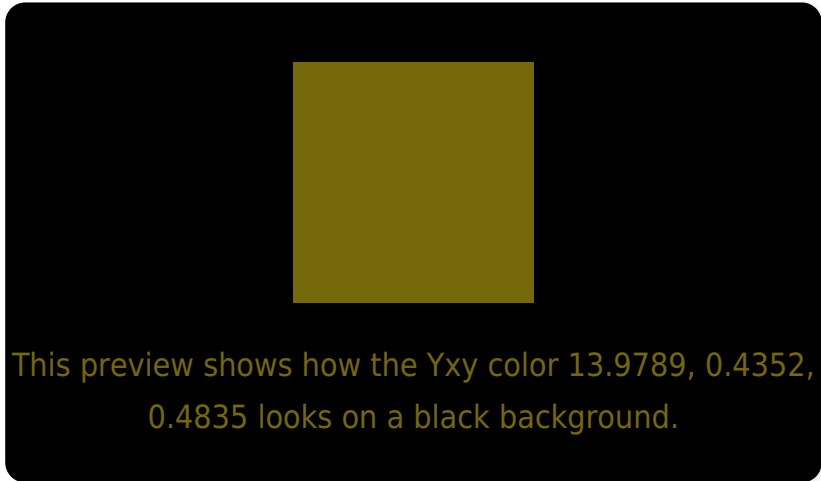
Large Text (above 18pt) WCAG AA ✓ Pass

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

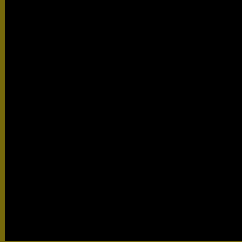
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.9789, 0.4352, 0.4835

Background



This preview shows how black text looks on a background with the Yxy color 13.9789, 0.4352, 0.4835.



This preview shows how white text looks on a background with the Yxy color 13.9789, 0.4352, 0.4835.

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

13.9789, 0.4352, 0.4835

Protanopia

13.9789, 0.4352, 0.4835

Deuteranopia

13.8697, 0.4629, 0.4560



Tritanopia

14.0404, 0.3419, 0.3152

Trichromacy



Original Color

13.9789, 0.4352, 0.4835

Protanomaly

13.9789, 0.4352, 0.4835

Deuteranomaly

13.8539, 0.4534, 0.4655

Tritanomaly

13.8999, 0.3878, 0.3901

Monochromacy



Original Color

13.9789, 0.4352, 0.4835

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.7040, 0.3678, 0.4076

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.9789, 0.4352, 0.4835 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, 105, 11)` looks like.

```
.text, #text, p{  
    color:rgb(118, 105, 11)  
}
```

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, 105, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 105, 11) }
```

Border

The CSS property to change the border of an element to Yxy 13.9789, 0.4352, 0.4835 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, 105, 11) }
```

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

```
.border{ border-color:rgb(118, 105, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 105, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 105, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 105, 11);  
box-shadow:4px 4px 4px 4px rgb(118, 105,  
11) }
```


Background

The CSS property to change the background color of an element to Yxy 13.9789, 0.4352, 0.4835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 105, 11) }
```

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

```
.background{ background-color: rgb(118,  
105, 11) }
```

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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