

Converting Colors

$Y_{xy}(17.7410, 0.3611, 0.4433)$

Have a look what the booklet for
Yxy(17.7410, 0.3611, 0.4433)
contains.

Yxy(17.6274, 0.3611, 0.4429)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.6274, 0.3611, 0.4429)

Conversions

Conversions Part 1

Format	Color
Hex	6E7A42
RGB	110, 122, 66
RGB Percent	43%, 48%, 26%
CMY	0.5687, 0.5215, 0.7411
CMYK	0.10, 0.00, 0.46, 0.52
HSL	73°, 30%, 37%
HSV	73°, 46%, 48%
XYZ	14.3718, 17.6274, 7.8008
YIQ	112.0280, 10.8240, -19.9600

Conversions

Conversions Part 2

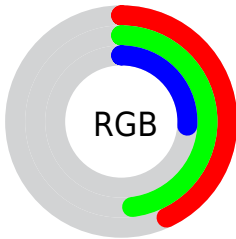
Format	Color
RYB	66, 122, 78
Decimal	7240258
CIELab	49.04, -13.97, 29.07
CIELCh	49, 32.258, 115.671
Yxy	17.6274, 0.3611, 0.4429
Android (android.graphics.Color)	4285430338 (0xFF6E7A42)
YUV	112.0280, -22.6918, -1.7786
Hunter-Lab	41.9850, -12.3719, 18.3734

Details

The Yxy color **17.6274, 0.3611, 0.4429** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **6.9245, 0.2471, 0.1988**, and the grayscale version is **16.2771, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.2964, 0.3521, 0.4150**, and **5.8077, 0.3760, 0.4926** is the 20% darker color. If you saturate the color by 10%, you get **17.3337, 0.3695, 0.4666**, and if you desaturate by 10%, it is **17.9584, 0.3514, 0.4178**.

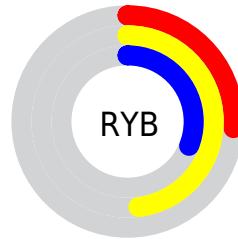
Distribution



Red (43%)

Green (48%)

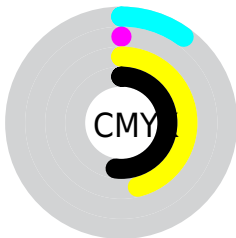
Blue (26%)



Red (26%)

Yellow (48%)

Blue (31%)

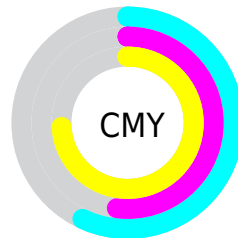


Cyan (10%)

Magenta (0%)

Yellow (46%)

Black (52%)



Cyan (57%)

Magenta (52%)

Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.6274, 0.3611, 0.4429 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 17.6274, 0.3611, 0.4429 by changing the saturation by 10% instead.


 17.6274, 0.3611,
0.4429


 17.6274, 0.3611,
0.4429


238.7624, 0.3350,
0.3755


 10.6828, 0.3675,
0.4639


 39.4014, 0.3514,
0.4155


 5.8540, 0.3749,
0.4935

 54.9996, 0.3478,
0.4061


 2.7565, 0.3934,
0.5538

 74.2511, 0.3448,
0.3985

 1.0060, 0.3776,
0.6224

 97.5404, 0.3422,
0.3923

 0.0000, 0.0000,
0.0000

 125.2517, 0.3400,
0.3871

157.7696, 0.3381,

0.3826

195.4783, 0.3365,
0.3788

■ 17.6274, 0.3611,
0.4429

■ 17.6274, 0.3611,
0.4429

■ 17.3337, 0.3695,
0.4666

■ 17.9584, 0.3514,
0.4178

■ 17.0729, 0.3762,
0.4879

■ 18.3261, 0.3409,
0.3923

■ 16.8434, 0.3808,
0.5059

■ 18.7330, 0.3300,
0.3671

■ 16.6429, 0.3831,
0.5199

■ 19.1807, 0.3191,
0.3428

■ 16.4666, 0.3832,
0.5301

■ 19.6708, 0.3084,
0.3197

■ 16.3970, 0.3831,
0.5340

■ 20.2045, 0.2981,
0.2982

■ 20.7833, 0.2884,
0.2784

■ 21.4084, 0.2794,
0.2603

■ 22.0810, 0.2710,
0.2438

Harmonies

Analogous

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



17.6274, 0.4115, 0.4219



17.6274, 0.3611, 0.4429



17.6274, 0.3004, 0.4265

Triad

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



17.6274, 0.3611, 0.4429



17.6274, 0.2023, 0.2604



17.6274, 0.3786, 0.2875

Complementary

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



17.6274, 0.3611, 0.4429



6.9245, 0.2471, 0.1988

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.



17.6274, 0.3154, 0.2527



17.6274, 0.3611, 0.4429



17.6274, 0.2181, 0.2355

Square

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



17.6274, 0.3611, 0.4429



17.6274, 0.2117, 0.3093



17.6274, 0.2573, 0.2340



17.6274, 0.4248, 0.3324

Rectangle

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



17.6274, 0.3611, 0.4429



17.6274, 0.2626, 0.3938



17.6274, 0.2573, 0.2340



17.6274, 0.3582, 0.2745

Sweetspot

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



17.6282, 0.3611, 0.4429



33.0705, 0.3283, 0.3632



9.8689, 0.4172, 0.3525



7.5312, 0.3302, 0.3676



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



17.6282, 0.3611, 0.4429



30.4701, 0.3699, 0.4675



16.1448, 0.3256, 0.4573



4.5926, 0.3225, 0.3504



17.2575, 0.3830, 0.5341



81.9406, 0.3811, 0.5356

Inverse Universe

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



6.9245, 0.2471, 0.1988



9.1617, 0.2286, 0.1657



8.3191, 0.2896, 0.2130



3.9312, 0.3024, 0.3071



1.7102, 0.1635, 0.0675



7.8473, 0.1598, 0.0654

Previews

White Background



This preview shows how the Yxy color 17.6274, 0.3611, 0.4429 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 17.6274, 0.3611, 0.4429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

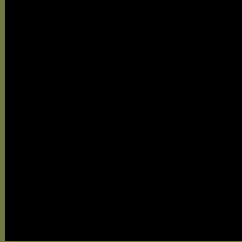
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

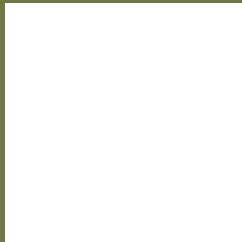
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 17.6274, 0.3611, 0.4429

Background



This preview shows how black text looks on a background with the Yxy color 17.6274, 0.3611, 0.4429.



This preview shows how white text looks on a background with the Yxy color 17.6274, 0.3611, 0.4429.

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

17.6274, 0.3611, 0.4429

Protanopia

17.4501, 0.3930, 0.4267

Deuteranopia

17.4613, 0.4101, 0.4035



Tritanopia

17.4986, 0.3046, 0.3116

Trichromacy



Original Color

17.6274, 0.3611, 0.4429

Protanomaly

17.4035, 0.3803, 0.4321

Deuteranomaly

17.4246, 0.3921, 0.4171

Tritanomaly

17.5135, 0.3254, 0.3592

Monochromacy



Original Color

17.6274, 0.3611, 0.4429

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.6965, 0.3316, 0.3725

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.6274, 0.3611, 0.4429 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(110, 122, 66)` looks like.

```
.text, #text, p{  
    color:rgb(110, 122, 66)  
}
```

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(110, 122, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 122, 66) }
```

Border

The CSS property to change the border of an element to Yxy 17.6274, 0.3611, 0.4429 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(110, 122, 66) }
```

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

```
.border{ border-color:rgb(110, 122, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 122, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 122, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 122, 66);  
box-shadow:4px 4px 4px 4px rgb(110, 122,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 17.6274, 0.3611, 0.4429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 122, 66) }
```

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

```
.background{ background-color: rgb(110,  
122, 66) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor