

Converting Colors

$Y_{xy}(17.7512, 0.3726, 0.4311)$

Have a look what the booklet for
Yxy(17.7512, 0.3726, 0.4311)
contains.

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Color

Yxy(17.7722, 0.3727, 0.4311)

Conversions

Conversions Part 1

Format	Color
Hex	777844
RGB	119, 120, 68
RGB Percent	47%, 47%, 27%
CMY	0.5334, 0.5294, 0.7334
CMYK	0.01, 0.00, 0.43, 0.53
HSL	61°, 28%, 37%
HSV	61°, 43%, 47%
XYZ	15.3646, 17.7722, 8.0884
YIQ	113.7730, 16.0960, -16.3840

Conversions

Conversions Part 2

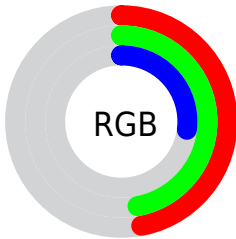
Format	Color
RYB	68, 120, 69
Decimal	7829572
CIELab	49.22, -8.74, 28.37
CIELCh	49, 29.688, 107.124
Yxy	17.7722, 0.3727, 0.4311
Android (android.graphics.Color)	4286019652 (0xFF777844)
YUV	113.7730, -22.5661, 4.5841
Hunter-Lab	42.1571, -8.7185, 18.1344

Details

The Yxy color **17.7722, 0.3727, 0.4311** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **6.7565, 0.2374, 0.2027**, and the grayscale version is **16.8200, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.5601, 0.3600, 0.4072**, and **5.9579, 0.3926, 0.4757** is the 20% darker color. If you saturate the color by 10%, you get **17.6242, 0.3849, 0.4522**, and if you desaturate by 10%, it is **17.9518, 0.3594, 0.4082**.

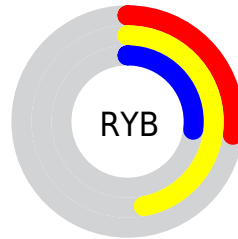
Distribution



Red (47%)

Green (47%)

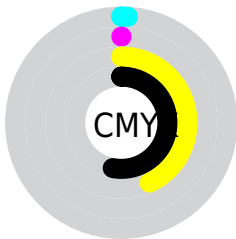
Blue (27%)



Red (27%)

Yellow (47%)

Blue (27%)

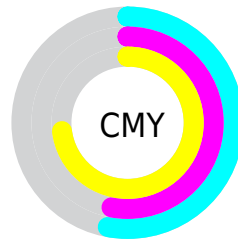


Cyan (1%)

Magenta (0%)

Yellow (43%)

Black (53%)



Cyan (53%)

Magenta (53%)

Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.7722, 0.3727, 0.4311 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 17.7722, 0.3727, 0.4311 by changing the saturation by 10% instead.


 17.7722, 0.3727,
0.4311


 17.7722, 0.3727,
0.4311


239.5839, 0.3395,
0.3715


 10.7866, 0.3816,
0.4492


 39.6488, 0.3600,
0.4071


 5.9235, 0.3928,
0.4743

 55.3085, 0.3554,
0.3988


 2.7986, 0.4155,
0.5223

 74.6284, 0.3516,
0.3921

 1.0275, 0.4241,
0.5759

 97.9928, 0.3484,
0.3866

 0.0000, 0.0000,
0.0000

 125.7862, 0.3456,
0.3819

158.3929, 0.3433,

0.3779

196.1973, 0.3412,
0.3745

■ 17.7722, 0.3727,
0.4311

■ 17.7722, 0.3727,
0.4311

■ 17.6242, 0.3849,
0.4522

■ 17.9518, 0.3594,
0.4082

■ 17.5037, 0.3955,
0.4705

■ 18.1624, 0.3454,
0.3844

■ 17.4093, 0.4040,
0.4855

■ 18.4062, 0.3312,
0.3603

■ 17.3387, 0.4101,
0.4967

■ 18.6848, 0.3173,
0.3367

■ 17.2890, 0.4139,
0.5039

■ 18.9996, 0.3038,
0.3140

■ 17.2603, 0.4160,
0.5079

■ 19.3517, 0.2911,
0.2926

■ 19.7426, 0.2792,
0.2726

■ 20.1732, 0.2683,
0.2542

■ 20.6449, 0.2582,
0.2373

Harmonies

Analogous

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



17.7722, 0.4134, 0.4057



17.7722, 0.3727, 0.4311



17.7722, 0.3180, 0.4260

Triad

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



17.7722, 0.3727, 0.4311



17.7722, 0.2105, 0.2769



17.7722, 0.3574, 0.2803

Complementary

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



17.7722, 0.3727, 0.4311



6.7565, 0.2374, 0.2027

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.



17.7722, 0.2990, 0.2515



17.7722, 0.3727, 0.4311



17.7722, 0.2185, 0.2469

Square

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



17.7722, 0.3727, 0.4311



17.7722, 0.2262, 0.3275



17.7722, 0.2492, 0.2392



17.7722, 0.4062, 0.3203

Rectangle

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



17.7722, 0.3727, 0.4311



17.7722, 0.2812, 0.4023



17.7722, 0.2492, 0.2392



17.7722, 0.3380, 0.2691

Sweetspot

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



17.7730, 0.3727, 0.4311



32.3677, 0.3312, 0.3603



8.6505, 0.4176, 0.3311



7.6509, 0.3338, 0.3647



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.



17.7730, 0.3727, 0.4311



30.9932, 0.3848, 0.4520



16.1873, 0.3374, 0.4444



4.6301, 0.3252, 0.3502



18.8254, 0.4160, 0.5079



89.7521, 0.4158, 0.5081

Inverse Universe

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



6.7565, 0.2374, 0.2027



8.9198, 0.2172, 0.1691



7.9159, 0.2758, 0.2148



3.8970, 0.2996, 0.3069



1.4955, 0.1510, 0.0605



7.0894, 0.1504, 0.0602

Previews

White Background



This preview shows how the Yxy color 17.7722, 0.3727, 0.4311 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 17.7722, 0.3727, 0.4311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

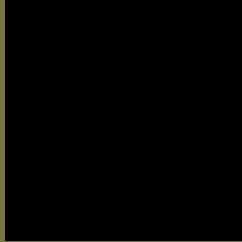
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.7722, 0.3727, 0.4311

Background



This preview shows how black text looks on a background with the Yxy color 17.7722, 0.3727, 0.4311.



This preview shows how white text looks on a background with the Yxy color 17.7722, 0.3727, 0.4311.

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

17.7722, 0.3727, 0.4311

Protanopia

17.7170, 0.3888, 0.4232

Deuteranopia

17.7813, 0.4093, 0.4031



Tritanopia

17.8247, 0.3161, 0.3122

Trichromacy



Original Color

17.7722, 0.3727, 0.4311

Protanomaly

17.7221, 0.3837, 0.4264

Deuteranomaly

17.7595, 0.3966, 0.4134

Tritanomaly

17.6810, 0.3379, 0.3543

Monochromacy



Original Color

17.7722, 0.3727, 0.4311

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.0669, 0.3359, 0.3674

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7722, 0.3727, 0.4311 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(119, 120, 68)` looks like.

```
.text, #text, p{  
    color:rgb(119, 120, 68)  
}
```

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(119, 120, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 120, 68) }
```

Border

The CSS property to change the border of an element to Yxy 17.7722, 0.3727, 0.4311 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(119, 120, 68) }
```

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

```
.border{ border-color:rgb(119, 120, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 120, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 120, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 120, 68);  
box-shadow:4px 4px 4px 4px rgb(119, 120,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 17.7722, 0.3727, 0.4311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 120, 68) }
```

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

```
.background{ background-color: rgb(119,  
120, 68) }
```

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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