

Converting Colors

$Y_{xy}(17.5130, 0.3835, 0.4431)$

Have a look what the booklet for
Yxy(17.5130, 0.3835, 0.4431)
contains.

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Color

Yxy(17.5130, 0.3835, 0.4431)

Conversions

Conversions Part 1

Format	Color
Hex	78773C
RGB	120, 119, 60
RGB Percent	47%, 47%, 24%
CMY	0.5294, 0.5333, 0.7648
CMYK	0.00, 0.01, 0.50, 0.53
HSL	59°, 33%, 35%
HSV	59°, 50%, 47%
XYZ	15.1574, 17.5130, 6.8534
YIQ	112.5730, 19.5350, -18.1370

Conversions

Conversions Part 2

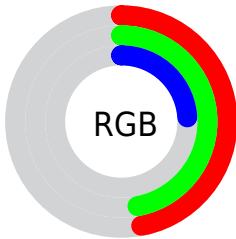
Format	Color
RYB	61, 120, 60
Decimal	7894844
CIELab	48.90, -8.60, 32.34
CIElCh	49, 33.463, 104.889
Yxy	17.5130, 0.3835, 0.4431
Android (android.graphics.Color)	4286084924 (0xFF78773C)
YUV	112.5730, -25.9185, 6.5135
Hunter-Lab	41.8485, -8.5829, 19.5842

Details

The Yxy color **17.5130, 0.3835, 0.4431** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **5.6504, 0.2227, 0.1819**, and the grayscale version is **16.4540, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.2286, 0.3691, 0.4164**, and **5.8376, 0.4063, 0.4889** is the 20% darker color. If you saturate the color by 10%, you get **17.3539, 0.3954, 0.4619**, and if you desaturate by 10%, it is **17.7026, 0.3702, 0.4219**.

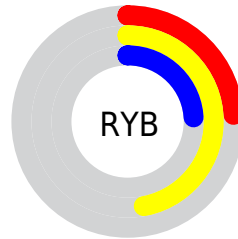
Distribution



Red (47%)

Green (47%)

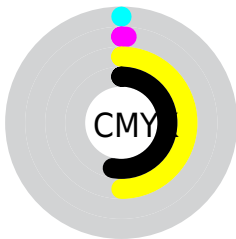
Blue (24%)



Red (24%)

Yellow (47%)

Blue (24%)

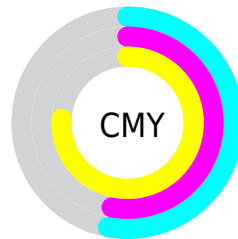


Cyan (0%)

Magenta (1%)

Yellow (50%)

Black (53%)



Cyan (53%)


Magenta (53%)


Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.5130, 0.3835, 0.4431 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 17.5130, 0.3835, 0.4431 by changing the saturation by 10% instead.


 17.5130, 0.3835,
0.4431


 17.5130, 0.3835,
0.4431


238.1116, 0.3445,
0.3769


 10.6009, 0.3936,
0.4627


 39.2057, 0.3688,
0.4167


 5.7992, 0.4057,
0.4892

 54.7551, 0.3634,
0.4075


 2.7233, 0.4418,
0.5546

 73.9525, 0.3589,
0.4000

 0.9891, 0.4235,
0.5765

 97.1821, 0.3551,
0.3937

 0.0000, 0.0000,
0.0000

 124.8284, 0.3519,
0.3885

 157.2759, 0.3491,

0.3841

194.9088, 0.3467,
0.3802

■ 17.5130, 0.3835,
0.4431

■ 17.5130, 0.3835,
0.4431

■ 17.3539, 0.3954,
0.4619

■ 17.7026, 0.3702,
0.4219

■ 17.2209, 0.4053,
0.4776

■ 17.9221, 0.3560,
0.3991

■ 17.1126, 0.4130,
0.4896

■ 18.1739, 0.3414,
0.3755

■ 17.0264, 0.4183,
0.4975

■ 18.4595, 0.3269,
0.3520

■ 16.9532, 0.4221,
0.5030

■ 18.7804, 0.3127,
0.3290

■ 19.1379, 0.2992,
0.3071

■ 19.5333, 0.2866,
0.2864

■ 19.9678, 0.2748,
0.2673

■ 20.4426, 0.2640,
0.2496

Harmonies

Analogous

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



17.5130, 0.4282, 0.4108



17.5130, 0.3835, 0.4431



17.5130, 0.3224, 0.4420

Triad

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



17.5130, 0.3835, 0.4431



17.5130, 0.1990, 0.2730



17.5130, 0.3582, 0.2715

Complementary

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



17.5130, 0.3835, 0.4431



5.6504, 0.2227, 0.1819

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.



17.5130, 0.2921, 0.2410



17.5130, 0.3835, 0.4431



17.5130, 0.2060, 0.2384

Square

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



17.5130, 0.3835, 0.4431



17.5130, 0.2179, 0.3314



17.5130, 0.2380, 0.2287



17.5130, 0.4155, 0.3148

Rectangle

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



17.5130, 0.3835, 0.4431



17.5130, 0.2809, 0.4169



17.5130, 0.2380, 0.2287



17.5130, 0.3359, 0.2596

Sweetspot

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



17.5138, 0.3835, 0.4431



32.1926, 0.3346, 0.3645



7.5591, 0.4417, 0.3273



7.6093, 0.3371, 0.3686



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.



17.5138, 0.3835, 0.4431



30.4874, 0.3969, 0.4644



15.9817, 0.3427, 0.4624



4.6231, 0.3256, 0.3498



18.4940, 0.4221, 0.5030



88.0875, 0.4223, 0.5029

Inverse Universe

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



5.6504, 0.2227, 0.1819



7.0563, 0.1999, 0.1442



6.7089, 0.2651, 0.1949



3.9032, 0.2994, 0.3073



1.5242, 0.1505, 0.0616



7.1473, 0.1502, 0.0607

Previews

White Background



This preview shows how the Yxy color 17.5130, 0.3835, 0.4431 looks on a white background.

Color Contrast Check

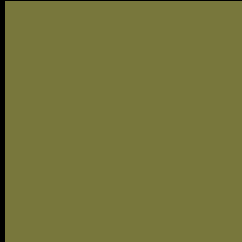
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.5130, 0.3835, 0.4431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

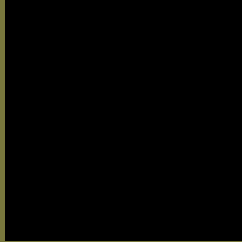
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.5130, 0.3835, 0.4431

Background



This preview shows how black text looks on a background with the Yxy color 17.5130, 0.3835, 0.4431.



This preview shows how white text looks on a background with the Yxy color 17.5130, 0.3835, 0.4431.

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

17.5130, 0.3835, 0.4431

Protanopia

17.3957, 0.3985, 0.4350

Deuteranopia

17.4675, 0.4199, 0.4142



Tritanopia

17.4044, 0.3201, 0.3121

Trichromacy



Original Color

17.5130, 0.3835, 0.4431

Protanomaly

17.3983, 0.3934, 0.4385

Deuteranomaly

17.4399, 0.4068, 0.4250

Tritanomaly

17.4474, 0.3447, 0.3602

Monochromacy



Original Color

17.5130, 0.3835, 0.4431

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.7826, 0.3400, 0.3717

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5130, 0.3835, 0.4431 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(120, 119, 60)` looks like.

```
.text, #text, p{  
    color:rgb(120, 119, 60)  
}
```

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(120, 119, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 119, 60) }
```

Border

The CSS property to change the border of an element to Yxy 17.5130, 0.3835, 0.4431 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(120, 119, 60) }
```

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

```
.border{ border-color:rgb(120, 119, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 119, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 119, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 119, 60);  
box-shadow:4px 4px 4px 4px rgb(120, 119,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 17.5130, 0.3835, 0.4431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 119, 60) }
```

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

```
.background{ background-color: rgb(120,  
119, 60) }
```

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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