

Converting Colors

$Yxy(17.5157, 0.3811, 0.4493)$

Have a look what the booklet for
Yxy(17.5157, 0.3811, 0.4493)
contains.

Yxy(17.5203, 0.3805, 0.4499)	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(17.5203, 0.3805, 0.4499)

Conversions

Conversions Part 1

Format	Color
Hex	75783A
RGB	117, 120, 58
RGB Percent	46%, 47%, 23%
CMY	0.5411, 0.5294, 0.7725
CMYK	0.02, 0.00, 0.52, 0.53
HSL	63°, 35%, 35%
HSV	63°, 52%, 47%
XYZ	14.8177, 17.5203, 6.6047
YIQ	112.0350, 18.1140, -19.9180

Conversions

Conversions Part 2

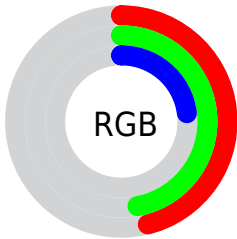
Format	Color
RYB	58, 120, 61
Decimal	7698490
CIELab	48.91, -10.68, 33.33
CIELCh	49, 34.998, 107.764
Yxy	17.5203, 0.3805, 0.4499
Android (android.graphics.Color)	4285888570 (0xFF75783A)
YUV	112.0350, -26.6393, 4.3543
Hunter-Lab	41.8573, -10.0603, 19.9447

Details

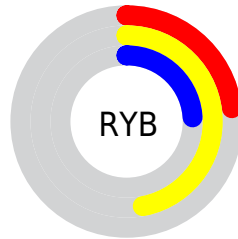
The Yxy color **17.5203, 0.3805, 0.4499** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **5.3750, 0.2228, 0.1754**, and the grayscale version is **16.2908, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.1126, 0.3663, 0.4216**, and **5.8499, 0.4004, 0.4997** is the 20% darker color. If you saturate the color by 10%, you get **17.3729, 0.3909, 0.4693**, and if you desaturate by 10%, it is **17.6980, 0.3686, 0.4281**.

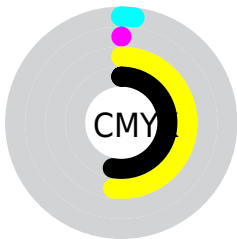
Distribution



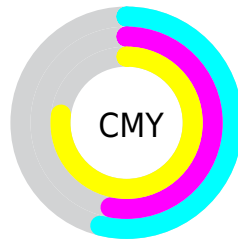
- Red (46%)
- Green (47%)
- Blue (23%)



- Red (23%)
- Yellow (47%)
- Blue (24%)



- Cyan (2%)
- Magenta (0%)
- Yellow (52%)
- Black (53%)





- Cyan (54%)
- Magenta (53%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.5203, 0.3805, 0.4499 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 17.5203, 0.3805, 0.4499 by changing the saturation by 10% instead.


 17.5203, 0.3805,
0.4499


 17.5203, 0.3805,
0.4499


238.1531, 0.3436,
0.3794


 10.6061, 0.3897,
0.4709


 39.2182, 0.3668,
0.4217


 5.8027, 0.4003,
0.4993

 54.7708, 0.3616,
0.4119


 2.7255, 0.4325,
0.5675


 73.9716, 0.3574,
0.4039

 0.9901, 0.4060,
0.5940

 97.2050, 0.3537,
0.3973

 0.0000, 0.0000,
0.0000

 124.8555, 0.3506,
0.3918

 157.3074, 0.3480,

0.3870

194.9452, 0.3456,
0.3830

■ 17.5203, 0.3805,
0.4499

■ 17.5203, 0.3805,
0.4499

■ 17.3729, 0.3909,
0.4693

■ 17.6980, 0.3686,
0.4281

■ 17.2514, 0.3993,
0.4855

■ 17.9055, 0.3556,
0.4046

■ 17.1544, 0.4054,
0.4979

■ 18.1451, 0.3420,
0.3805

■ 17.0792, 0.4091,
0.5062

■ 18.4185, 0.3283,
0.3563

■ 17.0248, 0.4113,
0.5117

■ 18.7271, 0.3149,
0.3328

■ 19.0723, 0.3020,
0.3103

■ 19.4553, 0.2898,
0.2892

■ 19.8773, 0.2784,
0.2696

■ 20.3396, 0.2678,
0.2515

Harmonies

Analogous

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



17.5203, 0.4297, 0.4180



17.5203, 0.3805, 0.4499



17.5203, 0.3161, 0.4451

Triad

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



17.5203, 0.3805, 0.4499



17.5203, 0.1940, 0.2657



17.5203, 0.3667, 0.2730

Complementary

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



17.5203, 0.3805, 0.4499



5.3750, 0.2228, 0.1754

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.



17.5203, 0.2973, 0.2398



17.5203, 0.3805, 0.4499



17.5203, 0.2039, 0.2325

Square

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



17.5203, 0.3805, 0.4499



17.5203, 0.2109, 0.3246



17.5203, 0.2393, 0.2250



17.5203, 0.4245, 0.3187

Rectangle

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



17.5203, 0.3805, 0.4499



17.5203, 0.2734, 0.4161



17.5203, 0.2393, 0.2250



17.5203, 0.3435, 0.2602

Sweetspot

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



17.5211, 0.3805, 0.4499



32.2100, 0.3334, 0.3653



7.5382, 0.4483, 0.3337



7.6139, 0.3357, 0.3694



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.



17.5211, 0.3805, 0.4499



30.5131, 0.3926, 0.4726



15.7616, 0.3393, 0.4689



4.6246, 0.3248, 0.3502



18.5715, 0.4112, 0.5117



88.4792, 0.4108, 0.5120

Inverse Universe

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



5.3750, 0.2228, 0.1754



6.6060, 0.1996, 0.1369



6.6107, 0.2682, 0.1922



3.9019, 0.3000, 0.3070



1.5182, 0.1523, 0.0613



7.1362, 0.1510, 0.0606

Previews

White Background



This preview shows how the Yxy color 17.5203, 0.3805, 0.4499 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 17.5203, 0.3805, 0.4499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

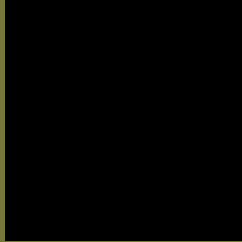
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.5203, 0.3805, 0.4499

Background



This preview shows how black text looks on a background with the Yxy color 17.5203, 0.3805, 0.4499.



This preview shows how white text looks on a background with the Yxy color 17.5203, 0.3805, 0.4499.

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

17.5203, 0.3805, 0.4499

Protanopia

17.4533, 0.4021, 0.4376

Deuteranopia

17.5348, 0.4236, 0.4167



Tritanopia

17.5005, 0.3161, 0.3120

Trichromacy



Original Color

17.5203, 0.3805, 0.4499

Protanomaly

17.3780, 0.3955, 0.4417

Deuteranomaly

17.4187, 0.4090, 0.4282

Tritanomaly

17.4566, 0.3402, 0.3625

Monochromacy



Original Color

17.5203, 0.3805, 0.4499

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.6116, 0.3398, 0.3762

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5203, 0.3805, 0.4499 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(117, 120, 58)` looks like.

```
.text, #text, p{  
    color:rgb(117, 120, 58)  
}
```

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(117, 120, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 120, 58) }
```

Border

The CSS property to change the border of an element to Yxy 17.5203, 0.3805, 0.4499 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(117, 120, 58) }
```

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

```
.border{ border-color:rgb(117, 120, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 120, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 120, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 120, 58);  
box-shadow:4px 4px 4px 4px rgb(117, 120,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 17.5203, 0.3805, 0.4499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 120, 58) }
```

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

```
.background{ background-color: rgb(117,  
120, 58) }
```

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