

Converting Colors

$Y_{xy}(17.6642, 0.3520, 0.3977)$

Have a look what the booklet for
Yxy(17.6642, 0.3520, 0.3977)
contains.

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Color

Yxy(17.7011, 0.3523, 0.3970)

Conversions

Conversions Part 1

Format	Color
Hex	767755
RGB	118, 119, 85
RGB Percent	46%, 47%, 33%
CMY	0.5372, 0.5333, 0.6668
CMYK	0.01, 0.00, 0.29, 0.53
HSL	62°, 17%, 40%
HSV	62°, 29%, 47%
XYZ	15.7081, 17.7011, 11.1780
YIQ	114.8250, 10.3180, -10.7860

Conversions

Conversions Part 2

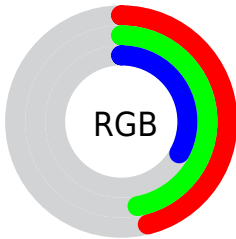
Format	Color
RYB	85, 119, 86
Decimal	7763797
CIELab	49.13, -6.35, 18.65
CIElCh	49, 19.700, 108.810
Yxy	17.7011, 0.3523, 0.3970
Android (android.graphics.Color)	4285953877 (0xFF767755)
YUV	114.8250, -14.7037, 2.7845
Hunter-Lab	42.0727, -6.9833, 13.6985

Details

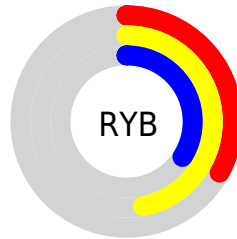
The Yxy color **17.7011, 0.3523, 0.3970** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.8022, 0.2669, 0.2513**, and the grayscale version is **17.1319, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.5330, 0.3438, 0.3804**, and **5.9182, 0.3680, 0.4293** is the 20% darker color. If you saturate the color by 10%, you get **17.5042, 0.3658, 0.4205**, and if you desaturate by 10%, it is **17.9315, 0.3383, 0.3729**.

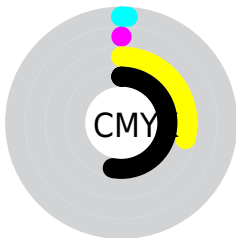
Distribution



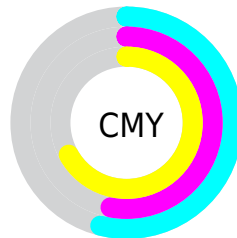
- Red (46%)
- Green (47%)
- Blue (33%)



- Red (33%)
- Yellow (47%)
- Blue (34%)



- Cyan (1%)
- Magenta (0%)
- Yellow (29%)
- Black (53%)





- Cyan (54%)
- Magenta (53%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.7011, 0.3523, 0.3970 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 17.7011, 0.3523, 0.3970 by changing the saturation by 10% instead.


 17.7011, 0.3523,
0.3970


 17.7011, 0.3523,
0.3970


239.1809, 0.3298,
0.3571


 10.7356, 0.3589,
0.4095


 39.5273, 0.3434,
0.3808

 5.8893, 0.3678,
0.4275

 55.1569, 0.3403,
0.3752


 2.7779, 0.3805,
0.4552

 74.4432, 0.3378,
0.3708

 1.0169, 0.4421,
0.5579

 97.7708, 0.3357,
0.3671

 0.0000, 0.0000,
0.0000

 125.5239, 0.3339,
0.3640

158.0871, 0.3323,

0.3613

195.8446, 0.3310,
0.3591

■ 17.7011, 0.3523,
0.3970

■ 17.7011, 0.3523,
0.3970

■ 17.5042, 0.3658,
0.4205

■ 17.9315, 0.3383,
0.3729

■ 17.3369, 0.3785,
0.4427

■ 18.1944, 0.3244,
0.3490

■ 17.1981, 0.3897,
0.4626

■ 18.4921, 0.3108,
0.3258

■ 17.0860, 0.3991,
0.4794

■ 18.8260, 0.2979,
0.3037

■ 16.9984, 0.4062,
0.4926

■ 19.1971, 0.2857,
0.2830

■ 16.9330, 0.4110,
0.5019

■ 19.6067, 0.2743,
0.2638

■ 16.8824, 0.4140,
0.5082

■ 20.0560, 0.2639,
0.2462

■ 16.8754, 0.4145,
0.5091

■ 20.5459, 0.2543,
0.2301

■ 21.0776, 0.2456,
0.2155

Harmonies

Analogous

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



17.7011, 0.3796, 0.3835



17.7011, 0.3523, 0.3970



17.7011, 0.3154, 0.3905

Triad

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



17.7011, 0.3523, 0.3970



17.7011, 0.2423, 0.2938



17.7011, 0.3450, 0.2972

Complementary

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



17.7011, 0.3523, 0.3970



9.8022, 0.2669, 0.2513

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.



17.7011, 0.3063, 0.2762



17.7011, 0.3523, 0.3970



17.7011, 0.2489, 0.2728

Square

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



17.7011, 0.3523, 0.3970



17.7011, 0.2529, 0.3271



17.7011, 0.2716, 0.2672



17.7011, 0.3758, 0.3260

Rectangle

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



17.7011, 0.3523, 0.3970



17.7011, 0.2905, 0.3745



17.7011, 0.2716, 0.2672



17.7011, 0.3323, 0.2891

Sweetspot

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



17.7019, 0.3523, 0.3970



32.5484, 0.3253, 0.3505



11.1605, 0.3712, 0.3304



7.6994, 0.3270, 0.3534



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.



17.7019, 0.3523, 0.3970



31.4697, 0.3609, 0.4119



16.6407, 0.3299, 0.4022



4.2611, 0.3250, 0.3500



17.9278, 0.4144, 0.5091



87.2968, 0.4142, 0.5093

Inverse Universe

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



9.8022, 0.2669, 0.2513



14.9739, 0.2550, 0.2312



10.6827, 0.2908, 0.2563



3.5945, 0.2999, 0.3071



1.4381, 0.1515, 0.0608



6.9428, 0.1506, 0.0603

Previews

White Background



This preview shows how the Yxy color 17.7011, 0.3523, 0.3970 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 17.7011, 0.3523, 0.3970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

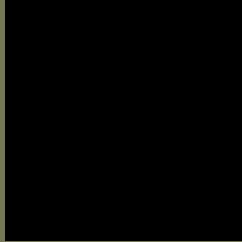
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

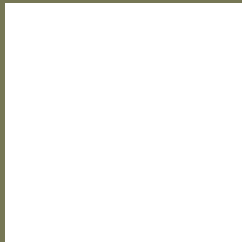
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 17.7011, 0.3523, 0.3970

Background



This preview shows how black text looks on a background with the Yxy color 17.7011, 0.3523, 0.3970.



This preview shows how white text looks on a background with the Yxy color 17.7011, 0.3523, 0.3970.

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

17.7011, 0.3523, 0.3970

Protanopia

17.7983, 0.3656, 0.3928

Deuteranopia

17.6635, 0.3830, 0.3767



Tritanopia

17.6756, 0.3135, 0.3120

Trichromacy



Original Color

17.7011, 0.3523, 0.3970

Protanomaly

17.8079, 0.3609, 0.3955

Deuteranomaly

17.7586, 0.3712, 0.3839

Tritanomaly

17.6599, 0.3277, 0.3427

Monochromacy



Original Color

17.7011, 0.3523, 0.3970

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.2033, 0.3273, 0.3531

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7011, 0.3523, 0.3970 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, 119, 85)` looks like.

```
.text, #text, p{  
    color:rgb(118, 119, 85)  
}
```

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, 119, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 119, 85) }
```

Border

The CSS property to change the border of an element to Yxy 17.7011, 0.3523, 0.3970 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, 119, 85) }
```

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

```
.border{ border-color:rgb(118, 119, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 119, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 119, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 119, 85);  
box-shadow:4px 4px 4px 4px rgb(118, 119,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 17.7011, 0.3523, 0.3970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 119, 85) }
```

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

```
.background{ background-color: rgb(118,  
119, 85) }
```

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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