

Converting Colors

$Y_{xy}(17.2925, 0.3386, 0.3830)$

Have a look what the booklet for
Yxy(17.2925, 0.3386, 0.3830)
contains.

Yxy(17.3070, 0.3387, 0.3819)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.3070, 0.3387, 0.3819)

Conversions

Conversions Part 1

Format	Color
Hex	72765C
RGB	114, 118, 92
RGB Percent	45%, 46%, 36%
CMY	0.5530, 0.5372, 0.6391
CMYK	0.03, 0.00, 0.22, 0.54
HSL	69°, 12%, 41%
HSV	69°, 22%, 46%
XYZ	15.3493, 17.3070, 12.6619
YIQ	113.8400, 5.9620, -8.9340

Conversions

Conversions Part 2

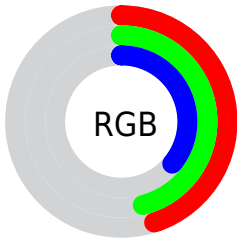
Format	Color
RYB	92, 118, 96
Decimal	7501404
CIELab	48.64, -6.36, 13.84
CIELCh	49, 15.226, 114.681
Yxy	17.3070, 0.3387, 0.3819
Android (android.graphics.Color)	4285691484 (0xFF72765C)
YUV	113.8400, -10.7671, 0.1403
Hunter-Lab	41.6017, -6.9440, 11.0757

Details

The Yxy color **17.3070, 0.3387, 0.3819** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.4554, 0.2833, 0.2721**, and the grayscale version is **16.8086, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.8094, 0.3331, 0.3695**, and **5.7358, 0.3497, 0.4069** is the 20% darker color. If you saturate the color by 10%, you get **16.9960, 0.3504, 0.4068**, and if you desaturate by 10%, it is **17.6541, 0.3268, 0.3573**.

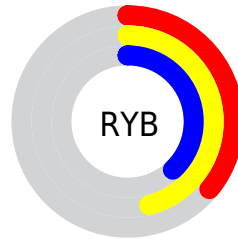
Distribution



Red (45%)

Green (46%)

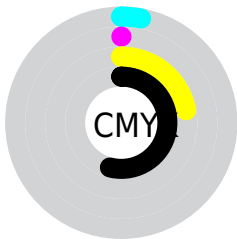
Blue (36%)



Red (36%)

Yellow (46%)

Blue (38%)

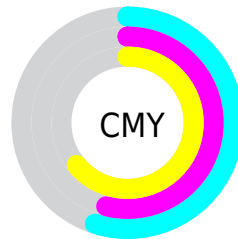


Cyan (3%)

Magenta (0%)

Yellow (22%)

Black (54%)



Cyan (55%)

Magenta (54%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.3070, 0.3387, 0.3819 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 17.3070, 0.3387, 0.3819 by changing the saturation by 10% instead.

■ 17.3070, 0.3387,
0.3819

■ 17.3070, 0.3387,
0.3819

■ 236.9354, 0.3239,
0.3507

■ 10.4536, 0.3431,
0.3919

■ 38.8529, 0.3328,
0.3691

■ 5.7007, 0.3493,
0.4065

■ 54.3141, 0.3307,
0.3648

■ 2.6640, 0.3583,
0.4295

■ 73.4135, 0.3291,
0.3613

■ 0.9589, 0.4219,
0.5363

■ 96.5353, 0.3277,
0.3584

■ 0.0000, 0.0000,
0.0000

■ 124.0640, 0.3265,
0.3560

■ 156.3840, 0.3255,

0.3540

193.8797, 0.3246,
0.3522

■ 17.3070, 0.3387,
0.3819

■ 17.3070, 0.3387,
0.3819

■ 16.9960, 0.3504,
0.4068

■ 17.6541, 0.3268,
0.3573

■ 16.7174, 0.3615,
0.4314

■ 18.0364, 0.3150,
0.3336

■ 16.4702, 0.3715,
0.4548


■ 18.4561, 0.3037,
0.3112


■ 16.2528, 0.3800,
0.4760


■ 18.9143, 0.2929,
0.2903


■ 16.0632, 0.3865,
0.4942


■ 19.4123, 0.2827,
0.2710


 15.8991, 0.3908,
0.5086


 19.9511, 0.2733,
0.2533

 15.7580, 0.3926,
0.5190

 20.5320, 0.2645,
0.2372

 15.6538, 0.3933,
0.5259

 21.1559, 0.2565,
0.2226

 21.8238, 0.2492,
0.2094

Harmonies

Analogous

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



17.3070, 0.3618, 0.3749



17.3070, 0.3387, 0.3819



17.3070, 0.3093, 0.3732

Triad

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



17.3070, 0.3387, 0.3819



17.3070, 0.2570, 0.2978



17.3070, 0.3434, 0.3082

Complementary

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



17.3070, 0.3387, 0.3819



11.4554, 0.2833, 0.2721

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.



17.3070, 0.3139, 0.2898



17.3070, 0.3387, 0.3819



17.3070, 0.2650, 0.2831

Square

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



17.3070, 0.3387, 0.3819



17.3070, 0.2630, 0.3224



17.3070, 0.2854, 0.2806



17.3070, 0.3649, 0.3320

Rectangle

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



17.3070, 0.3387, 0.3819



17.3070, 0.2903, 0.3593



17.3070, 0.2854, 0.2806



17.3070, 0.3340, 0.3012

Sweetspot

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



17.3078, 0.3387, 0.3819



31.3565, 0.3211, 0.3457



12.9763, 0.3530, 0.3373



7.2034, 0.3215, 0.3466



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



17.3078, 0.3387, 0.3819



30.1689, 0.3442, 0.3934



16.5046, 0.3216, 0.3849



4.2390, 0.3233, 0.3501



16.9294, 0.3932, 0.5260



82.1975, 0.3918, 0.5271

Inverse Universe

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



11.4554, 0.2833, 0.2721



18.1075, 0.2760, 0.2585



12.2120, 0.3017, 0.2750



3.6146, 0.3016, 0.3073



1.5527, 0.1585, 0.0647



7.3201, 0.1554, 0.0630

Previews

White Background



This preview shows how the Yxy color 17.3070, 0.3387, 0.3819 looks on a white background.

Color Contrast Check

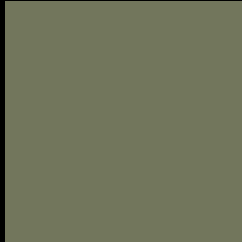
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.3070, 0.3387, 0.3819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

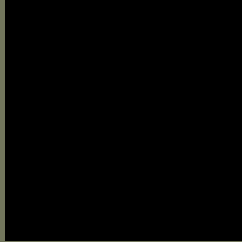
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

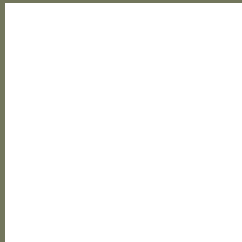
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 17.3070, 0.3387, 0.3819

Background



This preview shows how black text looks on a background with the Yxy color 17.3070, 0.3387, 0.3819.



This preview shows how white text looks on a background with the Yxy color 17.3070, 0.3387, 0.3819.

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

17.3070, 0.3387, 0.3819

Protanopia

17.2278, 0.3536, 0.3763

Deuteranopia

17.2275, 0.3684, 0.3628



Tritanopia

17.3162, 0.3071, 0.3117

Trichromacy



Original Color

17.3070, 0.3387, 0.3819

Protanomaly

17.2392, 0.3489, 0.3788

Deuteranomaly

17.3370, 0.3570, 0.3696

Tritanomaly

17.2132, 0.3189, 0.3349

Monochromacy



Original Color

17.3070, 0.3387, 0.3819

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.8795, 0.3223, 0.3472

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.3070, 0.3387, 0.3819 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(114, 118, 92)` looks like.

```
.text, #text, p{  
    color:rgb(114, 118, 92)  
}
```

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(114, 118, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 118, 92) }
```

Border

The CSS property to change the border of an element to Yxy 17.3070, 0.3387, 0.3819 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(114, 118, 92) }
```

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

```
.border{ border-color:rgb(114, 118, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 118, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 118, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 118, 92);  
box-shadow:4px 4px 4px 4px rgb(114, 118,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 17.3070, 0.3387, 0.3819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 118, 92) }
```

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

```
.background{ background-color: rgb(114,  
118, 92) }
```

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