

Converting Colors

$Y_{xy}(17.1032, 0.3575, 0.3372)$

Have a look what the booklet for
Yxy(17.1032, 0.3575, 0.3372)
contains.

Yxy(17.1710, 0.3571, 0.3384)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.1710, 0.3571, 0.3384)

Conversions

Conversions Part 1

Format	Color
Hex	886D68
RGB	136, 109, 104
RGB Percent	53%, 43%, 41%
CMY	0.4667, 0.5725, 0.5922
CMYK	0.00, 0.20, 0.24, 0.47
HSL	9°, 13%, 47%
HSV	9°, 24%, 53%
XYZ	18.1199, 17.1710, 15.4509
YIQ	116.5030, 17.6970, 4.1690

Conversions

Conversions Part 2

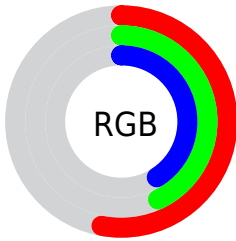
Format	Color
R _Y B	136, 110, 104
Decimal	8940904
CIE Lab	48.47, 9.86, 6.85
CIE LCh	48, 12.003, 34.771
Yxy	17.1710, 0.3571, 0.3384
Android (android.graphics.Color)	4287130984 (0xFF886D68)
YUV	116.5030, -6.1640, 17.0989
Hunter-Lab	41.4379, 5.5377, 6.8992

Details

The Yxy color **17.1710, 0.3571, 0.3384** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **20.9457, 0.2785, 0.3194**, and the grayscale version is **17.6430, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.8034, 0.3466, 0.3371**, and **5.6113, 0.3789, 0.3405** is the 20% darker color. If you saturate the color by 10%, you get **14.6284, 0.3828, 0.3427**, and if you desaturate by 10%, it is **20.0790, 0.3358, 0.3342**.

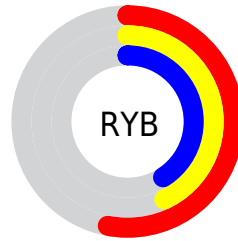
Distribution



Red (53%)

Green (43%)

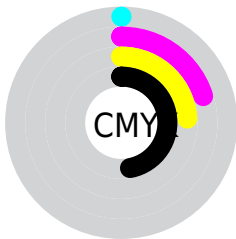
Blue (41%)



Red (53%)

Yellow (43%)

Blue (41%)

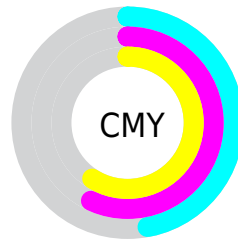


Cyan (0%)

Magenta (20%)

Yellow (24%)

Black (47%)



Cyan (47%)


Magenta (57%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.1710, 0.3571, 0.3384 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 17.1710, 0.3571, 0.3384 by changing the saturation by 10% instead.


 17.1710, 0.3571,
0.3384


 17.1710, 0.3571,
0.3384


236.1559, 0.3311,
0.3333

 10.3565, 0.3654,
0.3398


 38.6195, 0.3465,
0.3365


 5.6360, 0.3774,
0.3416

 54.0224, 0.3429,
0.3357

 2.6250, 0.3965,
0.3440

 73.0568, 0.3399,
0.3352

 0.9393, 0.4405,
0.3545

 96.1071, 0.3375,
0.3347

 0.0000, 1.0000,
0.0000

123.5578, 0.3355,
0.3343

 0.0000, 0.0000,
0.0000

155.7932, 0.3338,

0.3339

193.1978, 0.3323,
0.3336

■ 17.1710, 0.3571,
0.3384

■ 17.1710, 0.3571,
0.3384

■ 14.6284, 0.3828,
0.3427

■ 20.0790, 0.3358,
0.3342

■ 12.4343, 0.4133,
0.3468

■ 23.3635, 0.3182,
0.3303

■ 10.5742, 0.4489,
0.3504

■ 27.0382, 0.3036,
0.3267

■ 9.0316, 0.4887,
0.3529

■ 31.1154, 0.2916,
0.3234

■ 7.7886, 0.5304,
0.3536

■ 35.6068, 0.2816,
0.3204

■ 6.8254, 0.5703,
0.3517

■ 40.5237, 0.2732,
0.3176

■ 6.1197, 0.6033,
0.3472

■ 45.8768, 0.2661,
0.3151

■ 5.7831, 0.6215,
0.3447

■ 51.6767, 0.2601,
0.3129

■ 57.9333, 0.2550,
0.3109

Harmonies

Analogous

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



17.1710, 0.3437, 0.3186



17.1710, 0.3571, 0.3384



17.1710, 0.3581, 0.3567

Triad

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



17.1710, 0.3571, 0.3384



17.1710, 0.3024, 0.3586



17.1710, 0.2793, 0.2907

Complementary

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



17.1710, 0.3571, 0.3384



20.9457, 0.2785, 0.3194

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.



17.1710, 0.2692, 0.2995



17.1710, 0.3571, 0.3384



17.1710, 0.2822, 0.3388

Square

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



17.1710, 0.3571, 0.3384



17.1710, 0.3259, 0.3695



17.1710, 0.2703, 0.3169



17.1710, 0.2983, 0.2918

Rectangle

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



17.1710, 0.3571, 0.3384



17.1710, 0.3515, 0.3655



17.1710, 0.2703, 0.3169



17.1710, 0.2748, 0.2925

Sweetspot

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



17.1718, 0.3571, 0.3384



39.0063, 0.3242, 0.3317



16.7752, 0.3215, 0.2807



8.9689, 0.3250, 0.3319



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



17.1718, 0.3571, 0.3384



27.9133, 0.3695, 0.3406



20.8484, 0.3509, 0.3666



5.1672, 0.3277, 0.3325



5.4833, 0.6212, 0.3450



0.0503, 0.5636, 0.3907

Inverse Universe

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



20.9457, 0.2785, 0.3194



35.7069, 0.2715, 0.3171



17.0239, 0.2761, 0.2883



5.5573, 0.2991, 0.3255



13.2254, 0.2111, 0.2798



0.1045, 0.2183, 0.3058

Previews

White Background



This preview shows how the Yxy color 17.1710, 0.3571, 0.3384 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 17.1710, 0.3571, 0.3384 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

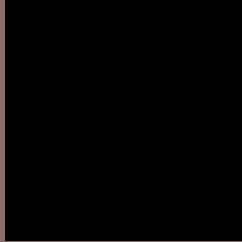
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.1710, 0.3571, 0.3384

Background



This preview shows how black text looks on a background with the Yxy color 17.1710, 0.3571, 0.3384.

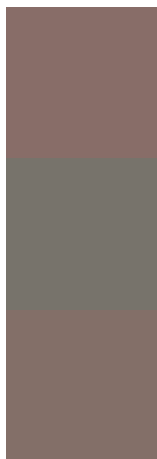


This preview shows how white text looks on a background with the Yxy color 17.1710, 0.3571, 0.3384.

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

17.1710, 0.3571, 0.3384

Protanopia

17.2449, 0.3278, 0.3448

Deuteranopia

17.1936, 0.3493, 0.3423



Tritanopia

17.0947, 0.3426, 0.3128

Trichromacy



Original Color

17.1710, 0.3571, 0.3384

Protanomaly

17.2108, 0.3377, 0.3426

Deuteranomaly

17.1379, 0.3525, 0.3403

Tritanomaly

17.2133, 0.3478, 0.3218

Monochromacy



Original Color

17.1710, 0.3571, 0.3384

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.4896, 0.3284, 0.3329

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1710, 0.3571, 0.3384 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(136, 109, 104)` looks like.

```
.text, #text, p{  
    color:rgb(136, 109, 104)  
}
```

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(136, 109, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 109, 104) }
```

Border

The CSS property to change the border of an element to Yxy 17.1710, 0.3571, 0.3384 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(136, 109, 104) }
```

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

```
.border{ border-color:rgb(136, 109, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 109, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 109, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 109, 104);  
box-shadow:4px 4px 4px 4px rgb(136, 109,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 17.1710, 0.3571, 0.3384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 109, 104) }
```

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

```
.background{ background-color: rgb(136,  
109, 104) }
```

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