

Converting Colors

$Y_{xy}(17.6149, 0.3556, 0.3687)$

Have a look what the booklet for
Yxy(17.6149, 0.3556, 0.3687)
contains.

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Color

Yxy(17.6588, 0.3567, 0.3693)

Conversions

Conversions Part 1

Format	Color
Hex	80735E
RGB	128, 115, 94
RGB Percent	50%, 45%, 37%
CMY	0.4979, 0.5490, 0.6313
CMYK	0.00, 0.10, 0.27, 0.50
HSL	37°, 15%, 44%
HSV	37°, 27%, 50%
XYZ	17.0563, 17.6588, 13.1018
YIQ	116.4930, 14.4890, -3.7750

Conversions

Conversions Part 2

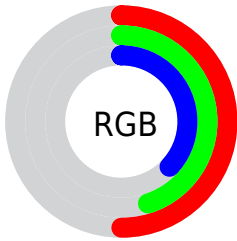
Format	Color
R_{YB}	115, 128, 94
Decimal	8418142
CIE Lab	49.08, 1.51, 13.47
CIE LCh	49, 13.552, 83.611
Yxy	17.6588, 0.3567, 0.3693
Android (android.graphics.Color)	4286608222 (0xFF80735E)
YUV	116.4930, -11.0890, 10.0916
Hunter-Lab	42.0224, -1.0885, 10.9301

Details

The Yxy color **17.6588, 0.3567, 0.3693** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.4638, 0.2715, 0.2851**, and the grayscale version is **17.6572, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4748, 0.3465, 0.3609**, and **5.8474, 0.3750, 0.3858** is the 20% darker color. If you saturate the color by 10%, you get **16.3595, 0.3762, 0.3851**, and if you desaturate by 10%, it is **19.0574, 0.3388, 0.3537**.

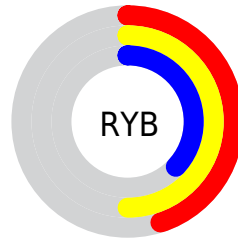
Distribution



Red (50%)

Green (45%)

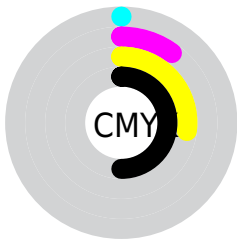
Blue (37%)



Red (45%)

Yellow (50%)

Blue (37%)

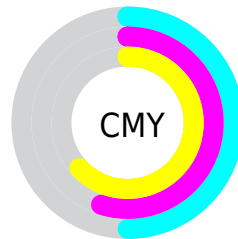


Cyan (0%)

Magenta (10%)

Yellow (27%)

Black (50%)



Cyan (50%)


Magenta (55%)

Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.6588, 0.3567, 0.3693 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 17.6588, 0.3567, 0.3693 by changing the saturation by 10% instead.


 17.6588, 0.3567,
0.3693

 17.6588, 0.3567,
0.3693


238.9408, 0.3312,
0.3461


 10.7053, 0.3646,
0.3764


 39.4551, 0.3464,
0.3600

 5.8690, 0.3759,
0.3864

 55.0666, 0.3429,
0.3568

 2.7656, 0.3932,
0.4015

 74.3330, 0.3400,
0.3542

 1.0106, 0.4625,
0.4668

 97.6386, 0.3376,
0.3520

 0.0000, 0.0000,
0.0000

125.3677, 0.3356,
0.3502

157.9049, 0.3339,

0.3486

195.6344, 0.3325,
0.3473

■ 17.6588, 0.3567,
0.3693

■ 17.6588, 0.3567,
0.3693

■ 16.3595, 0.3762,
0.3851

■ 19.0574, 0.3388,
0.3537

■ 15.1543, 0.3971,
0.4003

■ 20.5554, 0.3225,
0.3385

■ 14.0409, 0.4189,
0.4143

■ 22.1563, 0.3079,
0.3242

■ 13.0163, 0.4407,
0.4261

■ 23.8624, 0.2949,
0.3107

■ 12.0768, 0.4618,
0.4345

■ 25.6761, 0.2833,
0.2982

■ 11.2187, 0.4810,
0.4386

■ 27.5995, 0.2730,
0.2867

■ 10.4354, 0.4978,
0.4385

■ 29.6348, 0.2639,
0.2761

■ 10.1798, 0.5037,
0.4383

■ 31.7841, 0.2558,
0.2664

■ 34.0494, 0.2485,
0.2575

Harmonies

Analogous

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



17.6588, 0.3648, 0.3526



17.6588, 0.3567, 0.3693



17.6588, 0.3367, 0.3756

Triad

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



17.6588, 0.3567, 0.3693



17.6588, 0.2690, 0.3242



17.6588, 0.3129, 0.2936

Complementary

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



17.6588, 0.3567, 0.3693



14.4638, 0.2715, 0.2851

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.



17.6588, 0.2878, 0.2858



17.6588, 0.3567, 0.3693



17.6588, 0.2632, 0.3022

Square

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



17.6588, 0.3567, 0.3693



17.6588, 0.2862, 0.3490



17.6588, 0.2699, 0.2886



17.6588, 0.3390, 0.3099

Rectangle

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



17.6588, 0.3567, 0.3693



17.6588, 0.3196, 0.3723



17.6588, 0.2699, 0.2886



17.6588, 0.3041, 0.2900

Sweetspot

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



17.6596, 0.3567, 0.3693



35.7376, 0.3250, 0.3409



13.6613, 0.3462, 0.3038



8.2838, 0.3271, 0.3429



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



17.6596, 0.3567, 0.3693



29.6482, 0.3686, 0.3790



20.5424, 0.3460, 0.3934



4.7512, 0.3264, 0.3423



10.0927, 0.5037, 0.4383



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.4638, 0.2715, 0.2851



23.0188, 0.2613, 0.2731



12.1623, 0.2741, 0.2577



4.4609, 0.2993, 0.3154



3.7292, 0.1686, 0.1269



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.6588, 0.3567, 0.3693 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 17.6588, 0.3567, 0.3693 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

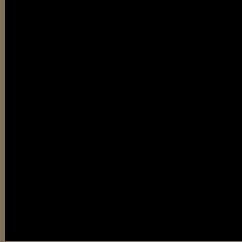
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

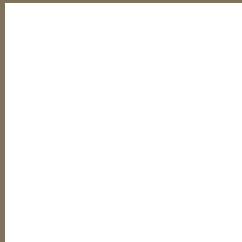
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 17.6588, 0.3567, 0.3693

Background



This preview shows how black text looks on a background with the Yxy color 17.6588, 0.3567, 0.3693.



This preview shows how white text looks on a background with the Yxy color 17.6588, 0.3567, 0.3693.

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

17.6588, 0.3567, 0.3693

Protanopia

17.6021, 0.3494, 0.3700

Deuteranopia

17.6488, 0.3680, 0.3606



Tritanopia

17.5502, 0.3282, 0.3124

Trichromacy



Original Color

17.6588, 0.3567, 0.3693

Protanomaly

17.6770, 0.3508, 0.3698

Deuteranomaly

17.6230, 0.3633, 0.3629

Tritanomaly

17.4819, 0.3383, 0.3310

Monochromacy



Original Color

17.6588, 0.3567, 0.3693

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.5666, 0.3277, 0.3447

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.6588, 0.3567, 0.3693 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(128, 115, 94)` looks like.

```
.text, #text, p{  
    color:rgb(128, 115, 94)  
}
```

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(128, 115, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 115, 94) }
```

Border

The CSS property to change the border of an element to Yxy 17.6588, 0.3567, 0.3693 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(128, 115, 94) }
```

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

```
.border{ border-color:rgb(128, 115, 94) }
```

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

Here you see how a box with a 4 pixel rgb(128, 115, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 115, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 115, 94);  
box-shadow:4px 4px 4px 4px rgb(128, 115,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 17.6588, 0.3567, 0.3693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 115, 94) }
```

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

```
.background{ background-color: rgb(128,  
115, 94) }
```

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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