

Converting Colors

$Y_{xy}(17.6854, 0.3402, 0.3424)$

Have a look what the booklet for
Yxy(17.6854, 0.3402, 0.3424)
contains.

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Color

Yxy(17.6854, 0.3402, 0.3424)

Conversions

Conversions Part 1

Format	Color
Hex	80726B
RGB	128, 114, 107
RGB Percent	50%, 45%, 42%
CMY	0.4981, 0.5529, 0.5804
CMYK	0.00, 0.11, 0.16, 0.50
HSL	20°, 9%, 46%
HSV	20°, 16%, 50%
XYZ	17.5718, 17.6854, 16.3941
YIQ	117.3880, 10.5910, 0.7910

Conversions

Conversions Part 2

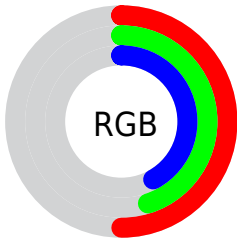
Format	Color
R_{YB}	128, 118, 107
Decimal	8417899
CIE Lab	49.11, 4.18, 5.86
CIE LCh	49, 7.201, 54.513
Yxy	17.6854, 0.3402, 0.3424
Android (android.graphics.Color)	4286607979 (0xFF80726B)
YUV	117.3880, -5.1213, 9.3067
Hunter-Lab	42.0540, 0.9896, 6.3245

Details

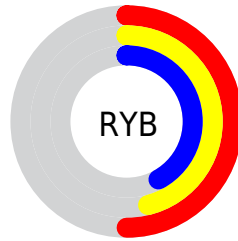
The Yxy color **17.6854, 0.3402, 0.3424** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.3516, 0.2884, 0.3152**, and the grayscale version is **17.9295, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.5648, 0.3340, 0.3400**, and **5.8849, 0.3529, 0.3468** is the 20% darker color. If you saturate the color by 10%, you get **15.6025, 0.3608, 0.3511**, and if you desaturate by 10%, it is **19.9889, 0.3226, 0.3341**.

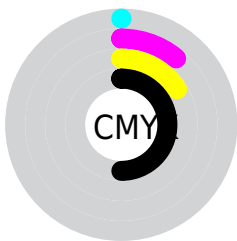
Distribution



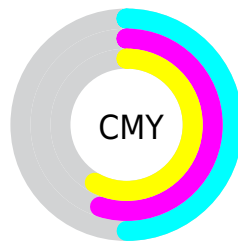
- Red (50%)
- Green (45%)
- Blue (42%)



- Red (50%)
- Yellow (46%)
- Blue (42%)



- Cyan (0%)
- Magenta (11%)
- Yellow (16%)
- Black (50%)




- Cyan (50%)
- Magenta (55%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.6854, 0.3402, 0.3424 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 17.6854, 0.3402, 0.3424 by changing the saturation by 10% instead.


 17.6854, 0.3402,
0.3424


 17.6854, 0.3402,
0.3424


239.0918, 0.3242,
0.3348


 10.7244, 0.3452,
0.3447


 39.5005, 0.3337,
0.3394


 5.8818, 0.3525,
0.3480

 55.1234, 0.3315,
0.3383

 2.7733, 0.3640,
0.3529

 74.4023, 0.3297,
0.3374

 1.0146, 0.3882,
0.3645

 97.7217, 0.3282,
0.3367

 0.0000, 1.0000,
0.0000

125.4660, 0.3270,
0.3361

 0.0000, 0.0000,
0.0000

158.0195, 0.3259,

0.3356

195.7666, 0.3250,
0.3352

■ 17.6854, 0.3402,
0.3424

■ 17.6854, 0.3402,
0.3424

■ 15.6025, 0.3608,
0.3511

■ 19.9889, 0.3226,
0.3341

■ 13.7312, 0.3847,
0.3600

■ 22.5170, 0.3076,
0.3263

■ 12.0654, 0.4120,
0.3686

■ 25.2765, 0.2948,
0.3190

■ 10.5976, 0.4427,
0.3762

■ 28.2733, 0.2839,
0.3124

■ 9.3202, 0.4759,
0.3819

■ 31.5128, 0.2745,
0.3063

8.2246, 0.5100,
0.3846

35.0007, 0.2665,
0.3008

7.3017, 0.5427,
0.3832

38.7420, 0.2596,
0.2957

6.5395, 0.5718,
0.3778

42.7418, 0.2535,
0.2911

6.2998, 0.5822,
0.3759

47.0052, 0.2483,
0.2869

Harmonies

Analogous

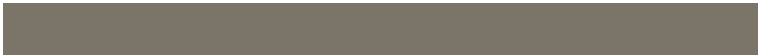
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



17.6854, 0.3370, 0.3308



17.6854, 0.3402, 0.3424



17.6854, 0.3359, 0.3508

Triad

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



17.6854, 0.3402, 0.3424



17.6854, 0.2983, 0.3392



17.6854, 0.2999, 0.3056

Complementary

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



17.6854, 0.3402, 0.3424



18.3516, 0.2884, 0.3152

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.



17.6854, 0.2899, 0.3073



17.6854, 0.3402, 0.3424



17.6854, 0.2890, 0.3264

Square

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



17.6854, 0.3402, 0.3424



17.6854, 0.3115, 0.3492



17.6854, 0.2860, 0.3148



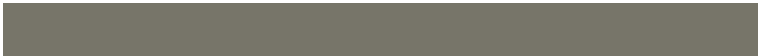
17.6854, 0.3134, 0.3099

Rectangle

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



17.6854, 0.3402, 0.3424



17.6854, 0.3294, 0.3533



17.6854, 0.2860, 0.3148



17.6854, 0.2960, 0.3055

Sweetspot

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



17.6862, 0.3402, 0.3424



35.7523, 0.3205, 0.3330



16.4819, 0.3235, 0.3028



8.3112, 0.3215, 0.3335



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

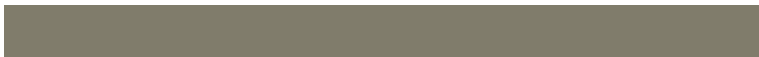
The Same Dimension uses a secret algorithm to generate beautiful new colors.



17.6862, 0.3402, 0.3424



29.6116, 0.3482, 0.3459



20.1886, 0.3372, 0.3616



4.5609, 0.3271, 0.3363



6.2499, 0.5821, 0.3760



0.0000, 0.0000, 0.0000

Inverse Universe

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



18.3516, 0.2884, 0.3152



31.0317, 0.2824, 0.3115



15.9412, 0.2876, 0.2941



4.6523, 0.2993, 0.3216



8.0254, 0.1943, 0.2196



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.6854, 0.3402, 0.3424 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 17.6854, 0.3402, 0.3424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

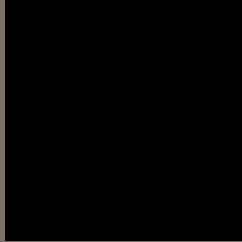
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.6854, 0.3402, 0.3424

Background



This preview shows how black text looks on a background with the Yxy color 17.6854, 0.3402, 0.3424.

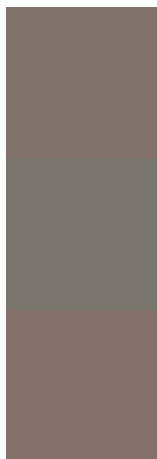


This preview shows how white text looks on a background with the Yxy color 17.6854, 0.3402, 0.3424.

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

17.6854, 0.3402, 0.3424

Protanopia

17.6384, 0.3290, 0.3446

Deuteranopia

17.7773, 0.3460, 0.3403



Tritanopia

17.7146, 0.3254, 0.3124

Trichromacy



Original Color

17.6854, 0.3402, 0.3424

Protanomaly

17.6293, 0.3332, 0.3425

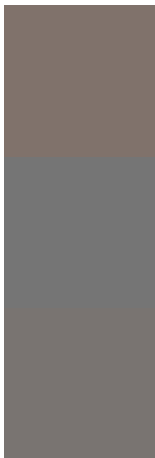
Deuteranomaly

17.6971, 0.3446, 0.3403

Tritanomaly

17.7383, 0.3302, 0.3234

Monochromacy



Original Color

17.6854, 0.3402, 0.3424

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.7480, 0.3228, 0.3348

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.6854, 0.3402, 0.3424 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, 114, 107)` looks like.

```
.text, #text, p{  
    color:rgb(128, 114, 107)  
}
```

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, 114, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 114, 107) }
```

Border

The CSS property to change the border of an element to Yxy 17.6854, 0.3402, 0.3424 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, 114, 107) }
```

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

```
.border{ border-color:rgb(128, 114, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 114, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 114, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 114, 107);  
box-shadow:4px 4px 4px 4px rgb(128, 114,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 17.6854, 0.3402, 0.3424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 114, 107) }
```

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

```
.background{ background-color: rgb(128,  
114, 107) }
```

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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