

Converting Colors

$Y_{xy}(17.2263, 0.3792, 0.4022)$

Have a look what the booklet for
Yxy(17.2263, 0.3792, 0.4022)
contains.

Yxy(17.1456, 0.3803, 0.4019)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.1456, 0.3803, 0.4019)

Conversions

Conversions Part 1

Format	Color
Hex	80724C
RGB	128, 114, 76
RGB Percent	50%, 45%, 30%
CMY	0.4980, 0.5529, 0.7020
CMYK	0.00, 0.11, 0.41, 0.50
HSL	44°, 25%, 40%
HSV	44°, 41%, 50%
XYZ	16.2241, 17.1456, 9.2916
YIQ	113.8540, 20.5420, -8.8500

Conversions

Conversions Part 2

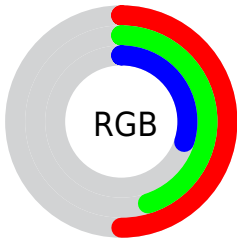
Format	Color
RYB	95, 128, 76
Decimal	8417868
CIELab	48.44, -0.41, 23.06
CIElCh	48, 23.060, 91.022
Yxy	17.1456, 0.3803, 0.4019
Android (android.graphics.Color)	4286607948 (0xFF80724C)
YUV	113.8540, -18.6620, 12.4060
Hunter-Lab	41.4072, -2.5231, 15.6806

Details

The Yxy color **17.1456, 0.3803, 0.4019** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **10.4074, 0.2460, 0.2431**, and the grayscale version is **16.8340, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.6982, 0.3653, 0.3859**, and **5.6151, 0.4090, 0.4302** is the 20% darker color. If you saturate the color by 10%, you get **16.2229, 0.3989, 0.4190**, and if you desaturate by 10%, it is **18.1347, 0.3621, 0.3838**.

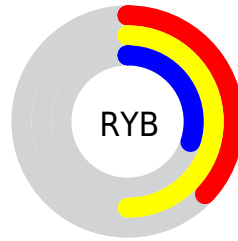
Distribution



Red (50%)

Green (45%)

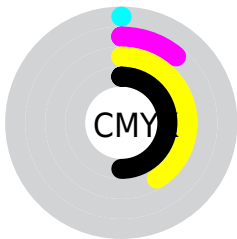
Blue (30%)



Red (37%)

Yellow (50%)

Blue (30%)

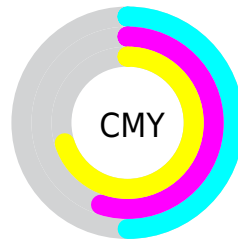


Cyan (0%)

Magenta (11%)

Yellow (41%)

Black (50%)



Cyan (50%)

Magenta (55%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.1456, 0.3803, 0.4019 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 17.1456, 0.3803, 0.4019 by changing the saturation by 10% instead.


 17.1456, 0.3803,
0.4019


 17.1456, 0.3803,
0.4019


236.0100, 0.3414,
0.3599


 10.3384, 0.3918,
0.4144


 38.5759, 0.3648,
0.3852


 5.6239, 0.4077,
0.4317

 53.9678, 0.3594,
0.3793

 2.6177, 0.4332,
0.4595

 72.9901, 0.3550,
0.3746

 0.9356, 0.4844,
0.5156

 96.0270, 0.3514,
0.3706

 0.0000, 0.0000,
0.0000

 123.4631, 0.3483,
0.3673

155.6827, 0.3457,

0.3645

193.0702, 0.3434,
0.3620

■ 17.1456, 0.3803,
0.4019

■ 17.1456, 0.3803,
0.4019

■ 16.2229, 0.3989,
0.4190

■ 18.1347, 0.3621,
0.3838

■ 15.3616, 0.4172,
0.4343

■ 19.1899, 0.3448,
0.3654

■ 14.5600, 0.4346,
0.4468

■ 20.3142, 0.3286,
0.3474

■ 13.8151, 0.4503,
0.4556

■ 21.5096, 0.3136,
0.3301

■ 13.1234, 0.4635,
0.4600

■ 22.7780, 0.3000,
0.3137

■ 12.5136, 0.4744,
0.4615

■ 24.1211, 0.2876,
0.2983

■ 25.5406, 0.2765,
0.2841

■ 27.0383, 0.2665,
0.2710

■ 28.6157, 0.2575,
0.2590

Harmonies

Analogous

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



17.1456, 0.4012, 0.3750



17.1456, 0.3803, 0.4019



17.1456, 0.3418, 0.4101

Triad

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



17.1456, 0.3803, 0.4019



17.1456, 0.2352, 0.3088



17.1456, 0.3236, 0.2759

Complementary

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



17.1456, 0.3803, 0.4019



10.4074, 0.2460, 0.2431

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.



17.1456, 0.2794, 0.2593



17.1456, 0.3803, 0.4019



17.1456, 0.2311, 0.2750

Square

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



17.1456, 0.3803, 0.4019



17.1456, 0.2586, 0.3529



17.1456, 0.2466, 0.2583



17.1456, 0.3676, 0.3045

Rectangle

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



17.1456, 0.3803, 0.4019



17.1456, 0.3120, 0.4010



17.1456, 0.2466, 0.2583



17.1456, 0.3082, 0.2688

Sweetspot

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



17.1464, 0.3803, 0.4019



35.4299, 0.3312, 0.3503



10.5090, 0.3814, 0.3000



8.2461, 0.3328, 0.3522



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.



17.1464, 0.3803, 0.4019



28.6403, 0.3979, 0.4182



19.7243, 0.3562, 0.4303



4.8297, 0.3262, 0.3447



12.4101, 0.4744, 0.4615



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.4074, 0.2460, 0.2431



15.0436, 0.2289, 0.2186



8.7666, 0.2560, 0.2150



4.3856, 0.2993, 0.3128



2.7081, 0.1605, 0.0978



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.1456, 0.3803, 0.4019 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 17.1456, 0.3803, 0.4019 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

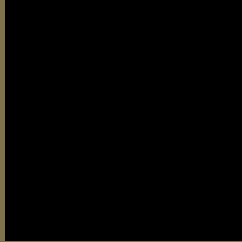
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.1456, 0.3803, 0.4019

Background



This preview shows how black text looks on a background with the Yxy color 17.1456, 0.3803, 0.4019.



This preview shows how white text looks on a background with the Yxy color 17.1456, 0.3803, 0.4019.

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

17.1456, 0.3803, 0.4019

Protanopia

17.1432, 0.3753, 0.4048

Deuteranopia

17.0910, 0.3964, 0.3894



Tritanopia

17.1272, 0.3339, 0.3143

Trichromacy



Original Color

17.1456, 0.3803, 0.4019

Protanomaly

17.2189, 0.3767, 0.4044

Deuteranomaly

16.9730, 0.3898, 0.3926

Tritanomaly

17.1535, 0.3520, 0.3461

Monochromacy



Original Color

17.1456, 0.3803, 0.4019

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.8767, 0.3369, 0.3570

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1456, 0.3803, 0.4019 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, 76)` looks like.

```
.text, #text, p{  
    color:rgb(128, 114, 76)  
}
```

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, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 114, 76) }
```

Border

The CSS property to change the border of an element to Yxy 17.1456, 0.3803, 0.4019 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, 76) }
```

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

```
.border{ border-color:rgb(128, 114, 76) }
```

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, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 114, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 114, 76);  
box-shadow:4px 4px 4px 4px rgb(128, 114,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 17.1456, 0.3803, 0.4019 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, 76) }
```

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

```
.background{ background-color: rgb(128,  
114, 76) }
```

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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