

Converting Colors

$Y_{xy}(17.2461, 0.3231, 0.3798)$

Have a look what the booklet for
Yxy(17.2461, 0.3231, 0.3798)
contains.

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Color

Yxy(17.3233, 0.3240, 0.3812)

Conversions

Conversions Part 1

Format	Color
Hex	6A785F
RGB	106, 120, 95
RGB Percent	42%, 47%, 37%
CMY	0.5844, 0.5294, 0.6274
CMYK	0.12, 0.00, 0.21, 0.53
HSL	94°, 12%, 42%
HSV	94°, 21%, 47%
XYZ	14.7239, 17.3233, 13.3969
YIQ	112.9640, -0.3190, -10.7430

Conversions

Conversions Part 2

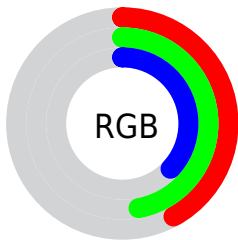
Format	Color
R_{YB}	95, 120, 109
Decimal	6977631
CIE Lab	48.66, -10.19, 12.02
CIE LCh	49, 15.758, 130.310
Yxy	17.3233, 0.3240, 0.3812
Android (android.graphics.Color)	4285167711 (0xFF6A785F)
YUV	112.9640, -8.8563, -6.1074
Hunter-Lab	41.6213, -9.6912, 10.0508

Details

The Yxy color **17.3233, 0.3240, 0.3812** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.7972, 0.2992, 0.2775**, and the grayscale version is **16.5284, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.7485, 0.3209, 0.3673**, and **5.7560, 0.3264, 0.4069** is the 20% darker color. If you saturate the color by 10%, you get **16.7257, 0.3290, 0.4091**, and if you desaturate by 10%, it is **17.9885, 0.3186, 0.3550**.

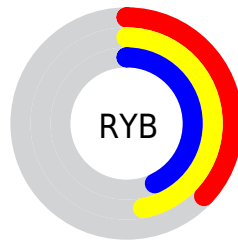
Distribution



Red (42%)

Green (47%)

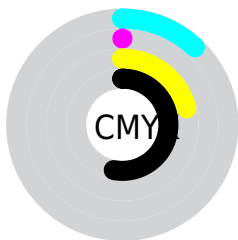
Blue (37%)



Red (37%)

Yellow (47%)

Blue (43%)

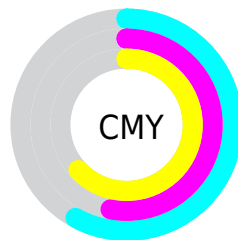


Cyan (12%)

Magenta (0%)

Yellow (21%)

Black (53%)



Cyan (58%)


Magenta (53%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.3233, 0.3240, 0.3812 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 17.3233, 0.3240, 0.3812 by changing the saturation by 10% instead.


 17.3233, 0.3240,
0.3812


 17.3233, 0.3240,
0.3812

237.0286, 0.3178,
0.3502


 10.4653, 0.3257,
0.3913


 38.8808, 0.3216,
0.3684


 5.7085, 0.3279,
0.4062

 54.3491, 0.3208,
0.3641

 2.6687, 0.3308,
0.4303

 73.4562, 0.3200,
0.3606

 0.9613, 0.3625,
0.5257

 96.5866, 0.3195,
0.3578

 0.0000, 0.0000,
0.0000

124.1246, 0.3189,
0.3554

156.4547, 0.3185,

0.3534

193.9613, 0.3181,
0.3517

■ 17.3233, 0.3240,
0.3812

■ 17.3233, 0.3240,
0.3812

■ 16.7257, 0.3290,
0.4091

■ 17.9885, 0.3186,
0.3550

■ 16.1911, 0.3334,
0.4382

■ 18.7212, 0.3132,
0.3309

■ 15.7179, 0.3368,
0.4676

■ 19.5242, 0.3077,
0.3090

■ 15.3035, 0.3389,
0.4960

■ 20.3994, 0.3025,
0.2892

■ 14.9450, 0.3394,
0.5221

■ 21.3487, 0.2975,
0.2714

■ 14.6394, 0.3380,
0.5445

■ 22.3739, 0.2927,
0.2556

■ 14.3831, 0.3348,
0.5620

■ 23.4767, 0.2882,
0.2415

■ 14.1818, 0.3312,
0.5752

■ 24.6589, 0.2841,
0.2289

■ 25.9220, 0.2802,
0.2178

Harmonies

Analogous

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



17.3233, 0.3523, 0.3822



17.3233, 0.3240, 0.3812



17.3233, 0.2936, 0.3640

Triad

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



17.3233, 0.3240, 0.3812



17.3233, 0.2577, 0.2873



17.3233, 0.3576, 0.3199

Complementary

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



17.3233, 0.3240, 0.3812



12.7972, 0.2992, 0.2775

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.



17.3233, 0.3303, 0.2974



17.3233, 0.3240, 0.3812



17.3233, 0.2730, 0.2786

Square

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



17.3233, 0.3240, 0.3812



17.3233, 0.2564, 0.3078



17.3233, 0.2991, 0.2826



17.3233, 0.3726, 0.3454

Rectangle

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



17.3233, 0.3240, 0.3812



17.3233, 0.2762, 0.3461



17.3233, 0.2991, 0.2826



17.3233, 0.3495, 0.3118

Sweetspot

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



17.3241, 0.3240, 0.3812



32.2217, 0.3161, 0.3435



15.7064, 0.3466, 0.3568



7.6213, 0.3164, 0.3447



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



17.3241, 0.3240, 0.3812



29.9475, 0.3265, 0.3944



16.7180, 0.3088, 0.3806



4.5280, 0.3177, 0.3507



15.4609, 0.3309, 0.5754



73.2638, 0.3273, 0.5783

Inverse Universe

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



12.7972, 0.2992, 0.2775



20.4750, 0.2955, 0.2648



13.5065, 0.3167, 0.2823



3.9942, 0.3074, 0.3075



2.7874, 0.2179, 0.0974



12.7857, 0.2131, 0.0947

Previews

White Background



This preview shows how the Yxy color 17.3233, 0.3240, 0.3812 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 17.3233, 0.3240, 0.3812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

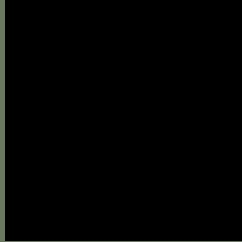
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

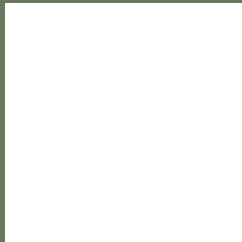
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 17.3233, 0.3240, 0.3812

Background



This preview shows how black text looks on a background with the Yxy color 17.3233, 0.3240, 0.3812.



This preview shows how white text looks on a background with the Yxy color 17.3233, 0.3240, 0.3812.

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

17.3233, 0.3240, 0.3812

Protanopia

17.1894, 0.3496, 0.3725

Deuteranopia

17.2185, 0.3616, 0.3554



Tritanopia

17.3510, 0.2961, 0.3113

Trichromacy



Original Color

17.3233, 0.3240, 0.3812

Protanomaly

17.2437, 0.3393, 0.3755

Deuteranomaly

17.0901, 0.3475, 0.3644

Tritanomaly

17.1887, 0.3061, 0.3350

Monochromacy



Original Color

17.3233, 0.3240, 0.3812

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.8464, 0.3169, 0.3495

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.3233, 0.3240, 0.3812 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(106, 120, 95)` looks like.

```
.text, #text, p{  
    color:rgb(106, 120, 95)  
}
```

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(106, 120, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 120, 95) }
```

Border

The CSS property to change the border of an element to Yxy 17.3233, 0.3240, 0.3812 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(106, 120, 95) }
```

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

```
.border{ border-color:rgb(106, 120, 95) }
```

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

Here you see how a box with a 4 pixel rgb(106, 120, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 120, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 120, 95);  
box-shadow:4px 4px 4px 4px rgb(106, 120,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 17.3233, 0.3240, 0.3812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 120, 95) }
```

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

```
.background{ background-color: rgb(106,  
120, 95) }
```

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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