

Converting Colors

$Y_{xy}(17.0156, 0.3325, 0.4043)$

Have a look what the booklet for
Yxy(17.0156, 0.3325, 0.4043)
contains.

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Color

Yxy(16.9724, 0.3317, 0.4036)

Conversions

Conversions Part 1

Format	Color
Hex	677855
RGB	103, 120, 85
RGB Percent	40%, 47%, 33%
CMY	0.5961, 0.5294, 0.6667
CMYK	0.14, 0.00, 0.29, 0.53
HSL	89°, 17%, 40%
HSV	89°, 29%, 47%
XYZ	13.9488, 16.9724, 11.1313
YIQ	110.9270, 1.1030, -14.4890

Conversions

Conversions Part 2

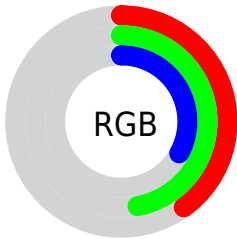
Format	Color
R_{YB}	85, 120, 102
Decimal	6781013
CIE Lab	48.23, -13.10, 17.22
CIE LCh	48, 21.631, 127.262
Yxy	16.9724, 0.3317, 0.4036
Android (android.graphics.Color)	4284971093 (0xFF677855)
YUV	110.9270, -12.7820, -6.9520
Hunter-Lab	41.1976, -11.6586, 12.8185

Details

The Yxy color **16.9724, 0.3317, 0.4036** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **10.6747, 0.2886, 0.2543**, and the grayscale version is **15.9114, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1243, 0.3273, 0.3845**, and **5.4652, 0.3379, 0.4403** is the 20% darker color. If you saturate the color by 10%, you get **16.4656, 0.3374, 0.4318**, and if you desaturate by 10%, it is **17.5370, 0.3254, 0.3764**.

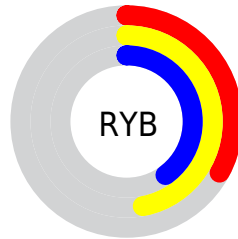
Distribution



Red (40%)

Green (47%)

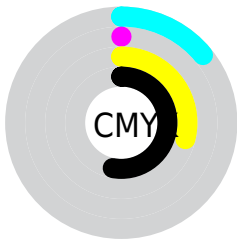
Blue (33%)



Red (33%)

Yellow (47%)

Blue (40%)

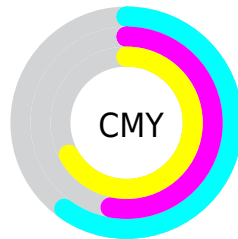


Cyan (14%)

Magenta (0%)

Yellow (29%)

Black (53%)



Cyan (60%)

Magenta (53%)

Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9724, 0.3317, 0.4036 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 16.9724, 0.3317, 0.4036 by changing the saturation by 10% instead.


 16.9724, 0.3317,
0.4036


 16.9724, 0.3317,
0.4036


235.0133, 0.3214,
0.3589


 10.2148, 0.3344,
0.4183


 38.2783, 0.3278,
0.3851


 5.5416, 0.3378,
0.4399

 53.5954, 0.3264,
0.3789


 2.5684, 0.3415,
0.4748

 72.5345, 0.3252,
0.3739

 0.9108, 0.3747,
0.6253

 95.4800, 0.3242,
0.3698

 0.0000, 0.0000,
0.0000

 122.8162, 0.3233,
0.3664

154.9275, 0.3226,

0.3635

192.1984, 0.3219,
0.3611

■ 16.9724, 0.3317,
0.4036

■ 16.9724, 0.3317,
0.4036

■ 16.4656, 0.3374,
0.4318

■ 17.5370, 0.3254,
0.3764

■ 16.0124, 0.3422,
0.4602

■ 18.1593, 0.3188,
0.3508

■ 15.6112, 0.3457,
0.4877

■ 18.8418, 0.3122,
0.3271

■ 15.2594, 0.3474,
0.5131

■ 19.5863, 0.3057,
0.3055

■ 14.9545, 0.3472,
0.5350

■ 20.3945, 0.2994,
0.2858

■ 14.6932, 0.3449,
0.5523

■ 21.2682, 0.2935,
0.2681

■ 14.4670, 0.3414,
0.5662

■ 22.2088, 0.2879,
0.2523

■ 14.4495, 0.3411,
0.5674

■ 23.2178, 0.2827,
0.2381

■ 24.2968, 0.2778,
0.2254

Harmonies

Analogous

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



16.9724, 0.3700, 0.4011



16.9724, 0.3317, 0.4036



16.9724, 0.2899, 0.3817

Triad

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



16.9724, 0.3317, 0.4036



16.9724, 0.2371, 0.2735



16.9724, 0.3717, 0.3126

Complementary

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



16.9724, 0.3317, 0.4036



10.6747, 0.2886, 0.2543

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.



16.9724, 0.3322, 0.2836



16.9724, 0.3317, 0.4036



16.9724, 0.2555, 0.2610

Square

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



16.9724, 0.3317, 0.4036



16.9724, 0.2371, 0.3024



16.9724, 0.2895, 0.2651



16.9724, 0.3948, 0.3466

Rectangle

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



16.9724, 0.3317, 0.4036



16.9724, 0.2657, 0.3567



16.9724, 0.2895, 0.2651



16.9724, 0.3597, 0.3021

Sweetspot

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



16.9731, 0.3317, 0.4036



31.9319, 0.3188, 0.3509



14.1341, 0.3638, 0.3639



7.5348, 0.3196, 0.3539



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.



16.9731, 0.3317, 0.4036



29.2437, 0.3356, 0.4223



16.0477, 0.3097, 0.4089



4.5419, 0.3187, 0.3506



15.7536, 0.3408, 0.5676



74.6379, 0.3373, 0.5704

Inverse Universe

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



10.6747, 0.2886, 0.2543



16.2674, 0.2817, 0.2354



11.8023, 0.3150, 0.2600



3.9802, 0.3063, 0.3074



2.4614, 0.2028, 0.0891



11.2382, 0.1977, 0.0863

Previews

White Background



This preview shows how the Yxy color 16.9724, 0.3317, 0.4036 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 16.9724, 0.3317, 0.4036 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

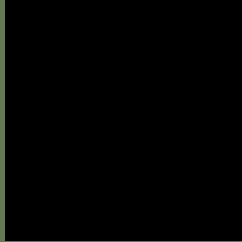
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.9724, 0.3317, 0.4036

Background



This preview shows how black text looks on a background with the Yxy color 16.9724, 0.3317, 0.4036.



This preview shows how white text looks on a background with the Yxy color 16.9724, 0.3317, 0.4036.

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

16.9724, 0.3317, 0.4036

Protanopia

16.8548, 0.3656, 0.3922

Deuteranopia

16.9083, 0.3771, 0.3723



Tritanopia

16.9679, 0.2947, 0.3111

Trichromacy



Original Color

16.9724, 0.3317, 0.4036

Protanomaly

16.8283, 0.3533, 0.3962

Deuteranomaly

16.9175, 0.3604, 0.3843

Tritanomaly

16.9742, 0.3082, 0.3433

Monochromacy



Original Color

16.9724, 0.3317, 0.4036

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.1821, 0.3194, 0.3540

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9724, 0.3317, 0.4036 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(103, 120, 85)` looks like.

```
.text, #text, p{  
    color:rgb(103, 120, 85)  
}
```

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(103, 120, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 120, 85) }
```

Border

The CSS property to change the border of an element to Yxy 16.9724, 0.3317, 0.4036 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(103, 120, 85) }
```

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

```
.border{ border-color:rgb(103, 120, 85) }
```

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

Here you see how a box with a 4 pixel rgb(103, 120, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 120, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 120, 85);  
box-shadow:4px 4px 4px 4px rgb(103, 120,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9724, 0.3317, 0.4036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 120, 85) }
```

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

```
.background{ background-color: rgb(103,  
120, 85) }
```

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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