

Converting Colors

$Y_{xy}(17.0003, 0.3016, 0.3934)$

Have a look what the booklet for
Yxy(17.0003, 0.3016, 0.3934)
contains.

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Color

Yxy(17.0003, 0.3016, 0.3934)

Conversions

Conversions Part 1

Format	Color
Hex	577B5E
RGB	87, 123, 94
RGB Percent	34%, 48%, 37%
CMY	0.6588, 0.5176, 0.6314
CMYK	0.29, 0.00, 0.24, 0.52
HSL	132°, 17%, 41%
HSV	132°, 29%, 48%
XYZ	13.0333, 17.0003, 13.1802
YIQ	108.9300, -12.1470, -16.6510

Conversions

Conversions Part 2

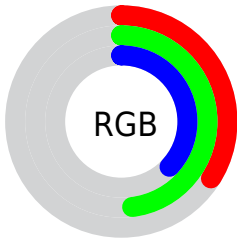
Format	Color
R_{YB}	87, 117, 123
Decimal	5733214
CIE _{Lab}	48.26, -19.15, 11.86
CIE _{LCh}	48, 22.524, 148.232
Yxy	17.0003, 0.3016, 0.3934
Android (android.graphics.Color)	4283923294 (0xFF577B5E)
YUV	108.9300, -7.3605, -19.2326
Hunter-Lab	41.2314, -15.7310, 9.9091

Details

The Yxy color **17.0003, 0.3016, 0.3934** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.2893, 0.3263, 0.2722**, and the grayscale version is **15.2959, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.4676, 0.3053, 0.3783**, and **5.5621, 0.2948, 0.4250** is the 20% darker color. If you saturate the color by 10%, you get **16.2919, 0.2981, 0.4200**, and if you desaturate by 10%, it is **17.8339, 0.3053, 0.3690**.

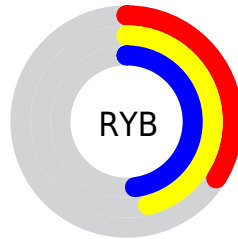
Distribution



Red (34%)

Green (48%)

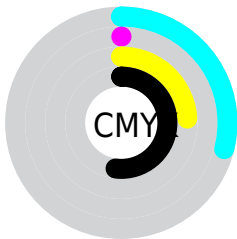
Blue (37%)



Red (34%)

Yellow (46%)

Blue (48%)

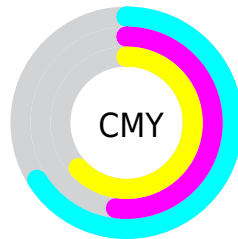


Cyan (29%)

Magenta (0%)

Yellow (24%)

Black (52%)



Cyan (66%)


Magenta (52%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.0003, 0.3016, 0.3934 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 17.0003, 0.3016, 0.3934 by changing the saturation by 10% instead.


 17.0003, 0.3016,
0.3934


 17.0003, 0.3016,
0.3934


235.1741, 0.3087,
0.3546


 10.2347, 0.2989,
0.4064


 38.3263, 0.3047,
0.3772


 5.5549, 0.2947,
0.4259

 53.6555, 0.3057,
0.3718

 2.5763, 0.2871,
0.4582

 72.6080, 0.3065,
0.3675

 0.9148, 0.2709,
0.6168

 95.5682, 0.3071,
0.3639

 0.0000, 0.0000,
0.0000

 122.9205, 0.3076,
0.3610

155.0494, 0.3081,

0.3585

192.3391, 0.3084,
0.3564

■ 17.0003, 0.3016,
0.3934

■ 17.0003, 0.3016,
0.3934

■ 16.2919, 0.2981,
0.4200

■ 17.8339, 0.3053,
0.3690

■ 15.7005, 0.2951,
0.4482

■ 18.7962, 0.3092,
0.3471

■ 15.2204, 0.2928,
0.4773

■ 19.8930, 0.3130,
0.3277

■ 14.8445, 0.2914,
0.5060

■ 21.1294, 0.3167,
0.3105

■ 14.5649, 0.2911,
0.5327

■ 22.5099, 0.3202,
0.2955

■ 14.3723, 0.2920,
0.5560

■ 24.0391, 0.3235,
0.2825

■ 14.2410, 0.2933,
0.5750

■ 25.7212, 0.3266,
0.2711

■ 14.2322, 0.2934,
0.5762

■ 27.5603, 0.3295,
0.2612

■ 29.5604, 0.3322,
0.2527

Harmonies

Analogous

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



17.0003, 0.3453, 0.4086



17.0003, 0.3016, 0.3934



17.0003, 0.2627, 0.3564

Triad

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



17.0003, 0.3016, 0.3934



17.0003, 0.2457, 0.2604



17.0003, 0.3934, 0.3363

Complementary

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



17.0003, 0.3016, 0.3934



12.2893, 0.3263, 0.2722

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.



17.0003, 0.3629, 0.3020



17.0003, 0.3016, 0.3934



17.0003, 0.2765, 0.2598

Square

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



17.0003, 0.3016, 0.3934



17.0003, 0.2322, 0.2785



17.0003, 0.3192, 0.2748



17.0003, 0.4001, 0.3712

Rectangle

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



17.0003, 0.3016, 0.3934



17.0003, 0.2443, 0.3271



17.0003, 0.3192, 0.2748



17.0003, 0.3855, 0.3244

Sweetspot

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



17.0010, 0.3016, 0.3934



33.6659, 0.3092, 0.3470



18.5957, 0.3460, 0.4006



7.8756, 0.3087, 0.3496



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



17.0010, 0.3016, 0.3934



29.5814, 0.2993, 0.4107



17.3542, 0.2834, 0.3534



4.4615, 0.3093, 0.3467



14.7215, 0.2934, 0.5764



70.1252, 0.2954, 0.5834

Inverse Universe

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



12.2893, 0.3263, 0.2722



19.7204, 0.3301, 0.2593



11.9173, 0.3544, 0.3060



4.0648, 0.3164, 0.3119



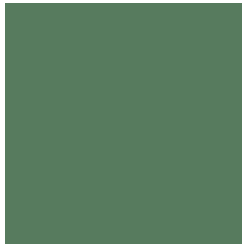
5.2902, 0.3749, 0.1839



25.1146, 0.3783, 0.1857

Previews

White Background



This preview shows how the Yxy color 17.0003, 0.3016, 0.3934 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 17.0003, 0.3016, 0.3934 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 17.0003, 0.3016, 0.3934

Background



This preview shows how black text looks on a background with the Yxy color 17.0003, 0.3016, 0.3934.



This preview shows how white text looks on a background with the Yxy color 17.0003, 0.3016, 0.3934.

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

17.0003, 0.3016, 0.3934

Protanopia

16.9104, 0.3539, 0.3766

Deuteranopia

16.8402, 0.3592, 0.3538



Tritanopia

16.8425, 0.2726, 0.3084

Trichromacy



Original Color

17.0003, 0.3016, 0.3934

Protanomaly

16.7291, 0.3335, 0.3833

Deuteranomaly

16.7508, 0.3361, 0.3677

Tritanomaly

16.9180, 0.2829, 0.3374

Monochromacy



Original Color

17.0003, 0.3016, 0.3934

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

15.8008, 0.3078, 0.3504

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.0003, 0.3016, 0.3934 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(87, 123, 94)` looks like.

```
.text, #text, p{  
    color:rgb(87, 123, 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(87, 123, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 123, 94) }
```

Border

The CSS property to change the border of an element to Yxy 17.0003, 0.3016, 0.3934 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(87, 123, 94) }
```

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

```
.border{ border-color:rgb(87, 123, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 123, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 123, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 123, 94);  
box-shadow:4px 4px 4px 4px rgb(87, 123,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 17.0003, 0.3016, 0.3934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 123, 94) }
```

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

```
.background{ background-color: rgb(87, 123,  
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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