

Converting Colors

$Yxy(16.2949, 0.3034, 0.3842)$

Have a look what the booklet for
Yxy(16.2949, 0.3034, 0.3842)
contains.

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Color

Yxy(16.3830, 0.3029, 0.3846)

Conversions

Conversions Part 1

Format	Color
Hex	59785F
RGB	89, 120, 95
RGB Percent	35%, 47%, 37%
CMY	0.6510, 0.5294, 0.6274
CMYK	0.26, 0.00, 0.21, 0.53
HSL	132°, 15%, 41%
HSV	132°, 26%, 47%
XYZ	12.9028, 16.3830, 13.3117
YIQ	107.8810, -10.4510, -14.3470

Conversions

Conversions Part 2

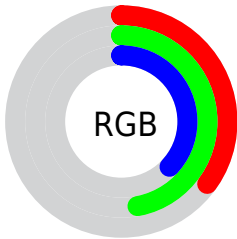
Format	Color
RYB	89, 115, 120
Decimal	5863519
CIELab	47.47, -16.62, 10.17
CIELCh	47, 19.486, 148.528
Yxy	16.3830, 0.3029, 0.3846
Android (android.graphics.Color)	4284053599 (0xFF59785F)
YUV	107.8810, -6.3503, -16.5586
Hunter-Lab	40.4759, -13.9312, 8.8338

Details

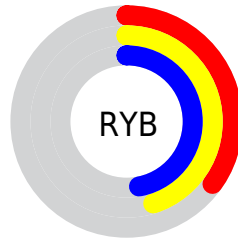
The Yxy color **16.3830, 0.3029, 0.3846** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.3538, 0.3244, 0.2792**, and the grayscale version is **14.9824, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.1248, 0.3064, 0.3707**, and **5.2205, 0.2963, 0.4111** is the 20% darker color. If you saturate the color by 10%, you get **15.6724, 0.2993, 0.4104**, and if you desaturate by 10%, it is **17.2137, 0.3067, 0.3611**.

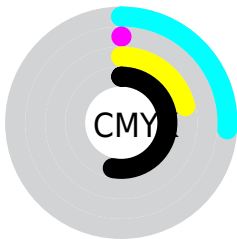
Distribution



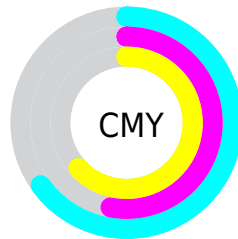
- Red (35%)
- Green (47%)
- Blue (37%)



- Red (35%)
- Yellow (45%)
- Blue (47%)



- Cyan (26%)
- Magenta (0%)
- Yellow (21%)
- Black (53%)





- Cyan (65%)
- Magenta (53%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3830, 0.3029, 0.3846 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 16.3830, 0.3029, 0.3846 by changing the saturation by 10% instead.


 16.3830, 0.3029,
0.3846


 16.3830, 0.3029,
0.3846


231.5912, 0.3091,
0.3510


 9.7956, 0.3006,
0.3959


 37.2618, 0.3056,
0.3706


 5.2636, 0.2970,
0.4128

 52.3221, 0.3065,
0.3659


 2.4028, 0.2904,
0.4411

 70.9753, 0.3072,
0.3622

 0.8273, 0.2724,
0.5920

 93.6060, 0.3077,
0.3591

 0.0000, 0.0000,
0.0000

 120.5986, 0.3082,
0.3566

152.3374, 0.3085,

0.3545

189.2068, 0.3089,
0.3526

■ 16.3830, 0.3029,
0.3846

■ 16.3830, 0.3029,
0.3846

■ 15.6724, 0.2993,
0.4104

■ 17.2137, 0.3067,
0.3611

■ 15.0742, 0.2961,
0.4380

■ 18.1674, 0.3105,
0.3401

■ 14.5833, 0.2935,
0.4669

■ 19.2497, 0.3143,
0.3215

■ 14.1932, 0.2918,
0.4958

■ 20.4652, 0.3179,
0.3052

■ 13.8967, 0.2911,
0.5234

■ 21.8182, 0.3213,
0.2909

■ 13.6856, 0.2916,
0.5480

■ 23.3127, 0.3246,
0.2785

■ 13.5458, 0.2930,
0.5685

■ 24.9529, 0.3276,
0.2677

■ 13.4959, 0.2933,
0.5759

■ 26.7425, 0.3304,
0.2583

■ 28.6852, 0.3330,
0.2501

Harmonies

Analogous

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



16.3830, 0.3413, 0.3984



16.3830, 0.3029, 0.3846



16.3830, 0.2686, 0.3527

Triad

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



16.3830, 0.3029, 0.3846



16.3830, 0.2538, 0.2684



16.3830, 0.3834, 0.3362

Complementary

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



16.3830, 0.3029, 0.3846



12.3538, 0.3244, 0.2792

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.



16.3830, 0.3570, 0.3056



16.3830, 0.3029, 0.3846



16.3830, 0.2814, 0.2678

Square

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



16.3830, 0.3029, 0.3846



16.3830, 0.2415, 0.2847



16.3830, 0.3190, 0.2812



16.3830, 0.3892, 0.3670

Rectangle

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



16.3830, 0.3029, 0.3846



16.3830, 0.2523, 0.3273



16.3830, 0.3190, 0.2812



16.3830, 0.3766, 0.3257

Sweetspot

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



16.3837, 0.3029, 0.3846



31.5356, 0.3096, 0.3449



17.7532, 0.3421, 0.3918



7.4210, 0.3091, 0.3475



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.



16.3837, 0.3029, 0.3846



28.0492, 0.3007, 0.3996



16.6871, 0.2867, 0.3502



4.4615, 0.3093, 0.3467



14.7214, 0.2935, 0.5764



70.1249, 0.2954, 0.5834

Inverse Universe

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



12.3538, 0.3244, 0.2792



19.6890, 0.3276, 0.2675



12.0365, 0.3480, 0.3089



4.0648, 0.3164, 0.3119



5.2906, 0.3749, 0.1839



25.1164, 0.3782, 0.1857

Previews

White Background



This preview shows how the Yxy color 16.3830, 0.3029, 0.3846 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 16.3830, 0.3029, 0.3846 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

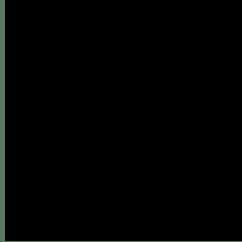
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.3830, 0.3029, 0.3846

Background



This preview shows how black text looks on a background with the Yxy color 16.3830, 0.3029, 0.3846.



This preview shows how white text looks on a background with the Yxy color 16.3830, 0.3029, 0.3846.

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

16.3830, 0.3029, 0.3846

Protanopia

16.2656, 0.3492, 0.3715

Deuteranopia

16.1962, 0.3543, 0.3485



Tritanopia

16.4043, 0.2774, 0.3103

Trichromacy



Original Color

16.3830, 0.3029, 0.3846

Protanomaly

16.2223, 0.3315, 0.3775

Deuteranomaly

16.0288, 0.3343, 0.3599

Tritanomaly

16.2646, 0.2868, 0.3353

Monochromacy



Original Color

16.3830, 0.3029, 0.3846

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.3343, 0.3092, 0.3484

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3830, 0.3029, 0.3846 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(89, 120, 95) looks like.

```
.text, #text, p{  
    color:rgb(89, 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(89, 120, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 120, 95) }
```

Border

The CSS property to change the border of an element to Yxy 16.3830, 0.3029, 0.3846 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(89, 120, 95) }
```

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

```
.border{ border-color:rgb(89, 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(89, 120, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 120, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 120, 95);  
box-shadow:4px 4px 4px 4px rgb(89, 120,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3830, 0.3029, 0.3846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 120, 95) }
```

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

```
.background{ background-color: rgb(89, 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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