

Converting Colors

$Y_{xy}(16.6594, 0.3000, 0.3799)$

Have a look what the booklet for
Yxy(16.6594, 0.3000, 0.3799)
contains.

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Color

$\text{Yxy}(16.6804, 0.2997, 0.3798)$

Conversions

Conversions Part 1

Format	Color
Hex	597962
RGB	89, 121, 98
RGB Percent	35%, 47%, 38%
CMY	0.6509, 0.5255, 0.6158
CMYK	0.26, 0.00, 0.19, 0.53
HSL	137°, 15%, 41%
HSV	137°, 26%, 47%
XYZ	13.1625, 16.6804, 14.0760
YIQ	108.8100, -11.6890, -13.9370

Conversions

Conversions Part 2

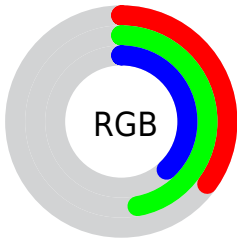
Format	Color
RYB	89, 114, 121
Decimal	5863778
CIELab	47.85, -16.55, 8.97
CIElCh	48, 18.825, 151.554
Yxy	16.6804, 0.2997, 0.3798
Android (android.graphics.Color)	4284053858 (0xFF597962)
YUV	108.8100, -5.3293, -17.3734
Hunter-Lab	40.8416, -13.9457, 8.1549

Details

The Yxy color **16.6804, 0.2997, 0.3798** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.3841, 0.3289, 0.2831**, and the grayscale version is **15.2551, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.6325, 0.3031, 0.3658**, and **5.3749, 0.2916, 0.4027** is the 20% darker color. If you saturate the color by 10%, you get **15.9750, 0.2952, 0.4028**, and if you desaturate by 10%, it is **17.5035, 0.3045, 0.3588**.

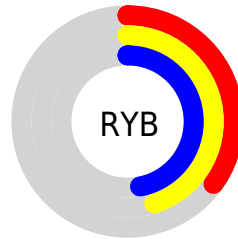
Distribution



Red (35%)

Green (47%)

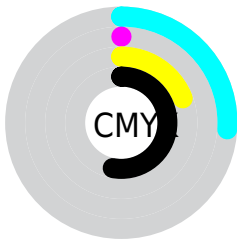
Blue (38%)



Red (35%)

Yellow (45%)

Blue (47%)

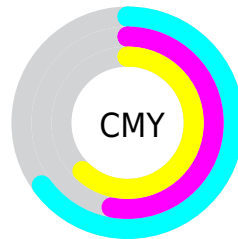


Cyan (26%)

Magenta (0%)

Yellow (19%)

Black (53%)



Cyan (65%)


Magenta (53%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.6804, 0.2997, 0.3798 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 16.6804, 0.2997, 0.3798 by changing the saturation by 10% instead.


 16.6804, 0.2997,
0.3798


 16.6804, 0.2997,
0.3798


233.3238, 0.3077,
0.3493


 10.0069, 0.2969,
0.3900


 37.7755, 0.3031,
0.3671


 5.4035, 0.2926,
0.4053

 52.9658, 0.3042,
0.3628

 2.4859, 0.2852,
0.4306

 71.7638, 0.3051,
0.3594

 0.8696, 0.2621,
0.5395

 94.5540, 0.3058,
0.3567

 0.0000, 0.0000,
0.0000

 121.7207, 0.3064,
0.3543

153.6483, 0.3069,

0.3524

190.7212, 0.3074,
0.3507

■ 16.6804, 0.2997,
0.3798

■ 16.6804, 0.2997,
0.3798

■ 15.9750, 0.2952,
0.4028

■ 17.5035, 0.3045,
0.3588

■ 15.3799, 0.2912,
0.4276

■ 18.4472, 0.3095,
0.3400

■ 14.8900, 0.2881,
0.4536

■ 19.5170, 0.3145,
0.3233

■ 14.4988, 0.2860,
0.4800

■ 20.7173, 0.3193,
0.3085

■ 14.1994, 0.2853,
0.5059

■ 22.0524, 0.3240,
0.2955

■ 13.9837, 0.2860,
0.5300

■ 23.5263, 0.3284,
0.2842

■ 13.8362, 0.2878,
0.5512

■ 25.1430, 0.3326,
0.2743

■ 13.7896, 0.2884,
0.5581

■ 26.9061, 0.3365,
0.2657

■ 28.8192, 0.3402,
0.2582

Harmonies

Analogous

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



16.6804, 0.3367, 0.3951



16.6804, 0.2997, 0.3798



16.6804, 0.2675, 0.3481

Triad

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



16.6804, 0.2997, 0.3798



16.6804, 0.2581, 0.2700



16.6804, 0.3821, 0.3392

Complementary

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



16.6804, 0.2997, 0.3798



12.3841, 0.3289, 0.2831

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.



16.6804, 0.3585, 0.3093



16.6804, 0.2997, 0.3798



16.6804, 0.2860, 0.2707

Square

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



16.6804, 0.2997, 0.3798



16.6804, 0.2446, 0.2843



16.6804, 0.3227, 0.2849



16.6804, 0.3855, 0.3684

Rectangle

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



16.6804, 0.2997, 0.3798



16.6804, 0.2527, 0.3239



16.6804, 0.3227, 0.2849



16.6804, 0.3762, 0.3290

Sweetspot

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



16.6811, 0.2997, 0.3798



32.7185, 0.3086, 0.3432



17.8722, 0.3392, 0.3941



7.4301, 0.3080, 0.3455



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.



16.6811, 0.2997, 0.3798



29.0425, 0.2968, 0.3942



17.0040, 0.2834, 0.3449



4.4667, 0.3082, 0.3448



14.7759, 0.2885, 0.5587



70.3551, 0.2909, 0.5673

Inverse Universe

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



12.3841, 0.3289, 0.2831



19.9123, 0.3338, 0.2717



12.0668, 0.3535, 0.3138



4.0593, 0.3176, 0.3137



5.0935, 0.4038, 0.1998



24.1458, 0.4092, 0.2028

Previews

White Background



This preview shows how the Yxy color 16.6804, 0.2997, 0.3798 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 16.6804, 0.2997, 0.3798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

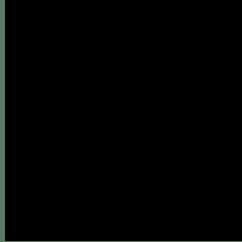
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.6804, 0.2997, 0.3798

Background



This preview shows how black text looks on a background with the Yxy color 16.6804, 0.2997, 0.3798.



This preview shows how white text looks on a background with the Yxy color 16.6804, 0.2997, 0.3798.

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

16.6804, 0.2997, 0.3798

Protanopia

16.6115, 0.3463, 0.3671

Deuteranopia

16.5245, 0.3526, 0.3464



Tritanopia

16.6086, 0.2755, 0.3103

Trichromacy



Original Color

16.6804, 0.2997, 0.3798

Protanomaly

16.5682, 0.3289, 0.3728

Deuteranomaly

16.2885, 0.3315, 0.3577

Tritanomaly

16.4931, 0.2837, 0.3332

Monochromacy



Original Color

16.6804, 0.2997, 0.3798

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

15.6550, 0.3080, 0.3460

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6804, 0.2997, 0.3798 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, 121, 98)` looks like.

```
.text, #text, p{  
    color:rgb(89, 121, 98)  
}
```

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, 121, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 121, 98) }
```

Border

The CSS property to change the border of an element to Yxy 16.6804, 0.2997, 0.3798 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, 121, 98) }
```

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

```
.border{ border-color:rgb(89, 121, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 121, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 121, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 121, 98);  
box-shadow:4px 4px 4px 4px rgb(89, 121,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 16.6804, 0.2997, 0.3798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 121, 98) }
```

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

```
.background{ background-color: rgb(89, 121,  
98) }
```

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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