

Converting Colors

$Y_{xy}(16.7679, 0.3113, 0.3807)$

Have a look what the booklet for
Yxy(16.7679, 0.3113, 0.3807)
contains.

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Color

Yxy(16.8189, 0.3115, 0.3808)

Conversions

Conversions Part 1

Format	Color
Hex	617860
RGB	97, 120, 96
RGB Percent	38%, 47%, 38%
CMY	0.6196, 0.5294, 0.6235
CMYK	0.19, 0.00, 0.20, 0.53
HSL	118°, 11%, 42%
HSV	118°, 20%, 47%
XYZ	13.7581, 16.8189, 13.5903
YIQ	110.3870, -6.0040, -12.3400

Conversions

Conversions Part 2

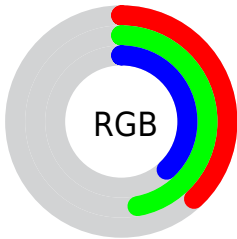
Format	Color
RYB	96, 120, 119
Decimal	6387808
CIELab	48.03, -13.47, 10.45
CIELCh	48, 17.045, 142.196
Yxy	16.8189, 0.3115, 0.3808
Android (android.graphics.Color)	4284577888 (0xFF617860)
YUV	110.3870, -7.0928, -11.7404
Hunter-Lab	41.0109, -11.8867, 9.0599

Details

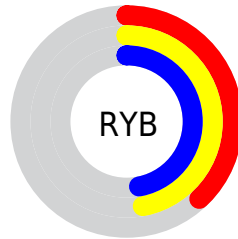
The Yxy color **16.8189, 0.3115, 0.3808** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.6469, 0.3135, 0.2818**, and the grayscale version is **15.7327, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9075, 0.3118, 0.3667**, and **5.4149, 0.3092, 0.4040** is the 20% darker color. If you saturate the color by 10%, you get **16.0283, 0.3106, 0.4112**, and if you desaturate by 10%, it is **17.7364, 0.3122, 0.3533**.

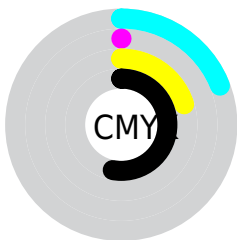
Distribution



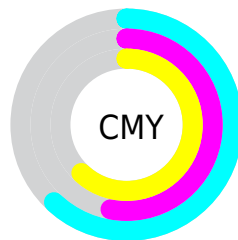
- Red (38%)
- Green (47%)
- Blue (38%)



- Red (38%)
- Yellow (47%)
- Blue (47%)



- Cyan (19%)
- Magenta (0%)
- Yellow (20%)
- Black (53%)





- Cyan (62%)
- Magenta (53%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8189, 0.3115, 0.3808 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 16.8189, 0.3115, 0.3808 by changing the saturation by 10% instead.


 16.8189, 0.3115,
0.3808


 16.8189, 0.3115,
0.3808


234.1266, 0.3126,
0.3498


 10.1055, 0.3109,
0.3911


 38.0141, 0.3121,
0.3679

 5.4689, 0.3098,
0.4064

 53.2647, 0.3123,
0.3636

 2.5249, 0.3073,
0.4317

 72.1298, 0.3124,
0.3601

 0.8891, 0.3142,
0.5411

 94.9938, 0.3124,
0.3573

 0.0000, 0.0000,
0.0000

122.2411, 0.3125,
0.3549

154.2560, 0.3126,

0.3529

191.4231, 0.3126,
0.3512

■ 16.8189, 0.3115,
0.3808

■ 16.8189, 0.3115,
0.3808

■ 16.0283, 0.3106,
0.4112

■ 17.7364, 0.3122,
0.3533

■ 15.3569, 0.3095,
0.4438

■ 18.7837, 0.3127,
0.3290

■ 14.7997, 0.3083,
0.4777

■ 19.9663, 0.3131,
0.3076

■ 14.3502, 0.3068,
0.5111

■ 21.2890, 0.3134,
0.2890

■ 14.0015, 0.3052,
0.5417

■ 22.7560, 0.3136,
0.2729

■ 13.7458, 0.3037,
0.5672

■ 24.3715, 0.3137,
0.2590

■ 13.5742, 0.3022,
0.5856

■ 26.1395, 0.3138,
0.2470

■ 13.4654, 0.3015,
0.5988

■ 28.0639, 0.3138,
0.2366

■ 13.4653, 0.3015,
0.5988

■ 30.1485, 0.3138,
0.2275

Harmonies

Analogous

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



16.8189, 0.3444, 0.3890



16.8189, 0.3115, 0.3808



16.8189, 0.2801, 0.3561

Triad

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



16.8189, 0.3115, 0.3808



16.8189, 0.2578, 0.2781



16.8189, 0.3704, 0.3298

Complementary

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



16.8189, 0.3115, 0.3808



13.6469, 0.3135, 0.2818

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.



16.8189, 0.3448, 0.3035



16.8189, 0.3115, 0.3808



16.8189, 0.2795, 0.2744

Square

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



16.8189, 0.3115, 0.3808



16.8189, 0.2501, 0.2955



16.8189, 0.3111, 0.2837



16.8189, 0.3795, 0.3572

Rectangle

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



16.8189, 0.3115, 0.3808



16.8189, 0.2640, 0.3347



16.8189, 0.3111, 0.2837



16.8189, 0.3633, 0.3206

Sweetspot

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



16.8196, 0.3115, 0.3808



31.8746, 0.3124, 0.3436



17.9846, 0.3417, 0.3740



7.5328, 0.3124, 0.3448



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.



16.8196, 0.3115, 0.3808



28.9152, 0.3111, 0.3944



16.9783, 0.2983, 0.3571



4.4571, 0.3122, 0.3510



14.6878, 0.3014, 0.5989



69.9710, 0.3006, 0.5995

Inverse Universe

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



13.6469, 0.3135, 0.2818



22.2643, 0.3136, 0.2707



13.4697, 0.3302, 0.3025



4.0695, 0.3131, 0.3079



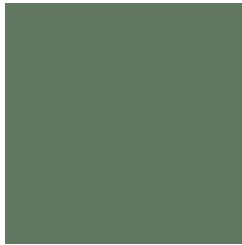
5.4577, 0.3110, 0.1487



25.9399, 0.3104, 0.1484

Previews

White Background



This preview shows how the Yxy color 16.8189, 0.3115, 0.3808 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 16.8189, 0.3115, 0.3808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

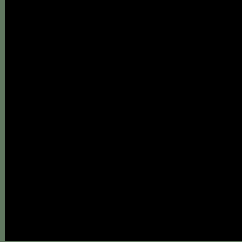
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8189, 0.3115, 0.3808

Background



This preview shows how black text looks on a background with the Yxy color 16.8189, 0.3115, 0.3808.



This preview shows how white text looks on a background with the Yxy color 16.8189, 0.3115, 0.3808.

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

16.8189, 0.3115, 0.3808

Protanopia

16.5936, 0.3476, 0.3691

Deuteranopia

16.5649, 0.3568, 0.3502



Tritanopia

16.7962, 0.2854, 0.3107

Trichromacy



Original Color

16.8189, 0.3115, 0.3808

Protanomaly

16.7437, 0.3342, 0.3744

Deuteranomaly

16.5249, 0.3396, 0.3613

Tritanomaly

16.6468, 0.2951, 0.3352

Monochromacy



Original Color

16.8189, 0.3115, 0.3808

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

16.0578, 0.3118, 0.3479

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8189, 0.3115, 0.3808 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(97, 120, 96) looks like.

```
.text, #text, p{  
    color:rgb(97, 120, 96)  
}
```

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(97, 120, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 120, 96) }
```

Border

The CSS property to change the border of an element to Yxy 16.8189, 0.3115, 0.3808 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(97, 120, 96) }
```

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

```
.border{ border-color:rgb(97, 120, 96) }
```

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

Here you see how a box with a 4 pixel rgb(97, 120, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 120, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 120, 96);  
box-shadow:4px 4px 4px 4px rgb(97, 120,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8189, 0.3115, 0.3808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 120, 96) }
```

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

```
.background{ background-color: rgb(97, 120,  
96) }
```

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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