

Converting Colors

$Y_{xy}(16.2548, 0.2960, 0.3708)$

Have a look what the booklet for
Yxy(16.2548, 0.2960, 0.3708)
contains.

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Color

$Y_{xy}(16.1885, 0.2963, 0.3712)$

Conversions

Conversions Part 1

Format	Color
Hex	587764
RGB	88, 119, 100
RGB Percent	35%, 47%, 39%
CMY	0.6549, 0.5333, 0.6078
CMYK	0.26, 0.00, 0.16, 0.53
HSL	143°, 15%, 41%
HSV	143°, 26%, 47%
XYZ	12.9220, 16.1885, 14.5007
YIQ	107.5650, -12.3770, -12.4810

Conversions

Conversions Part 2

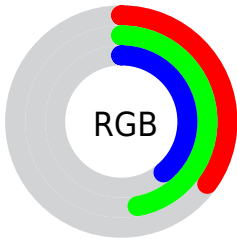
Format	Color
R _Y B	88, 110, 119
Decimal	5797732
CIE Lab	47.22, -15.40, 6.87
CIE LCh	47, 16.866, 155.975
Yxy	16.1885, 0.2963, 0.3712
Android (android.graphics.Color)	4283987812 (0xFF587764)
YUV	107.5650, -3.7295, -17.1585
Hunter-Lab	40.2349, -13.0833, 6.7962

Details

The Yxy color **16.1885, 0.2963, 0.3712** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.9641, 0.3337, 0.2903**, and the grayscale version is **14.8821, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.8492, 0.3007, 0.3598**, and **5.1088, 0.2880, 0.3926** is the 20% darker color. If you saturate the color by 10%, you get **15.5200, 0.2906, 0.3905**, and if you desaturate by 10%, it is **16.9658, 0.3025, 0.3536**.

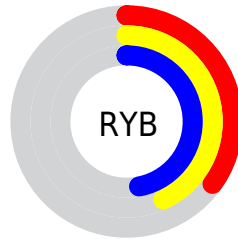
Distribution



Red (35%)

Green (47%)

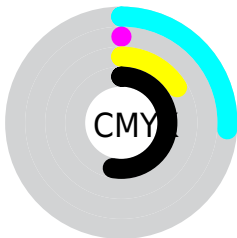
Blue (39%)



Red (35%)

Yellow (43%)

Blue (47%)

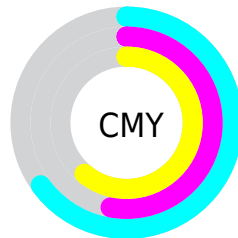


Cyan (26%)

Magenta (0%)

Yellow (16%)

Black (53%)



Cyan (65%)


Magenta (53%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.1885, 0.2963, 0.3712 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 16.1885, 0.2963, 0.3712 by changing the saturation by 10% instead.


 16.1885, 0.2963,
0.3712


 16.1885, 0.2963,
0.3712


230.4515, 0.3062,
0.3458


 9.6576, 0.2929,
0.3797


 36.9251, 0.3005,
0.3606


 5.1726, 0.2879,
0.3924

 51.8997, 0.3018,
0.3571


 2.3489, 0.2794,
0.4136

 70.4576, 0.3029,
0.3543

 0.7994, 0.2439,
0.5080

 92.9833, 0.3038,
0.3520

 0.0000, 0.0000,
0.0000

 119.8611, 0.3046,
0.3500

151.4755, 0.3052,

0.3484

188.2108, 0.3058,
0.3470

■ 16.1885, 0.2963,
0.3712

■ 16.1885, 0.2963,
0.3712

■ 15.5200, 0.2906,
0.3905

■ 16.9658, 0.3025,
0.3536

■ 14.9534, 0.2855,
0.4113

■ 17.8545, 0.3088,
0.3378

■ 14.4840, 0.2815,
0.4334

■ 18.8596, 0.3153,
0.3236

■ 14.1060, 0.2787,
0.4561

■ 19.9851, 0.3216,
0.3111

■ 13.8130, 0.2775,
0.4789

■ 21.2351, 0.3278,
0.3000

■ 13.5975, 0.2779,
0.5011

■ 22.6131, 0.3337,
0.2903

■ 13.4457, 0.2798,
0.5218

■ 24.1228, 0.3394,
0.2818

■ 13.3918, 0.2805,
0.5296

■ 25.7676, 0.3447,
0.2744

■ 27.5507, 0.3498,
0.2678

Harmonies

Analogous

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



16.1885, 0.3297, 0.3877



16.1885, 0.2963, 0.3712



16.1885, 0.2683, 0.3416

Triad

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



16.1885, 0.2963, 0.3712



16.1885, 0.2661, 0.2746



16.1885, 0.3771, 0.3426

Complementary

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



16.1885, 0.2963, 0.3712



11.9641, 0.3337, 0.2903

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.



16.1885, 0.3582, 0.3151



16.1885, 0.2963, 0.3712



16.1885, 0.2931, 0.2771

Square

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



16.1885, 0.2963, 0.3712



16.1885, 0.2516, 0.2858



16.1885, 0.3269, 0.2916



16.1885, 0.3774, 0.3685

Rectangle

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



16.1885, 0.2963, 0.3712



16.1885, 0.2561, 0.3199



16.1885, 0.3269, 0.2916



16.1885, 0.3727, 0.3333

Sweetspot

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



16.1892, 0.2963, 0.3712



31.6110, 0.3074, 0.3410



17.0319, 0.3340, 0.3940



7.4414, 0.3066, 0.3430



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.



16.1892, 0.2963, 0.3712



28.2786, 0.2929, 0.3821



16.5157, 0.2801, 0.3367



4.1195, 0.3069, 0.3423



14.2258, 0.2806, 0.5301



69.1671, 0.2833, 0.5397

Inverse Universe

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



11.9641, 0.3337, 0.2903



19.4102, 0.3396, 0.2814



11.6686, 0.3586, 0.3216



3.7351, 0.3190, 0.3161



4.6752, 0.4433, 0.2216



22.6112, 0.4517, 0.2262

Previews

White Background



This preview shows how the Yxy color 16.1885, 0.2963, 0.3712 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 16.1885, 0.2963, 0.3712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

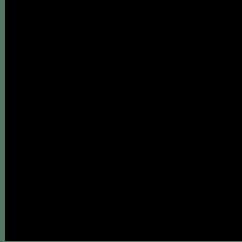
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.1885, 0.2963, 0.3712

Background



This preview shows how black text looks on a background with the Yxy color 16.1885, 0.2963, 0.3712.



This preview shows how white text looks on a background with the Yxy color 16.1885, 0.2963, 0.3712.

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

16.1885, 0.2963, 0.3712

Protanopia

15.9953, 0.3402, 0.3596

Deuteranopia

16.1201, 0.3460, 0.3408



Tritanopia

16.2986, 0.2752, 0.3102

Trichromacy



Original Color

16.1885, 0.2963, 0.3712

Protanomaly

15.9619, 0.3229, 0.3650

Deuteranomaly

15.9727, 0.3265, 0.3517

Tritanomaly

16.2077, 0.2824, 0.3311

Monochromacy



Original Color

16.1885, 0.2963, 0.3712

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.3750, 0.3068, 0.3440

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1885, 0.2963, 0.3712 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(88, 119, 100)` looks like.

```
.text, #text, p{  
    color:rgb(88, 119, 100)  
}
```

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(88, 119, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 119, 100) }
```

Border

The CSS property to change the border of an element to Yxy 16.1885, 0.2963, 0.3712 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(88, 119, 100) }
```

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

```
.border{ border-color:rgb(88, 119, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 119, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 119, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 119, 100);  
box-shadow:4px 4px 4px 4px rgb(88, 119,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 16.1885, 0.2963, 0.3712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 119, 100) }
```

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

```
.background{ background-color: rgb(88, 119,  
100) }
```

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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