

Converting Colors

$Y_{xy}(16.1510, 0.3298, 0.3815)$

Have a look what the booklet for
Yxy(16.1510, 0.3298, 0.3815)
contains.

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Color

Yxy(16.0810, 0.3300, 0.3801)

Conversions

Conversions Part 1

Format	Color
Hex	6A735B
RGB	106, 115, 91
RGB Percent	42%, 45%, 36%
CMY	0.5844, 0.5490, 0.6431
CMYK	0.08, 0.00, 0.21, 0.55
HSL	83°, 12%, 40%
HSV	83°, 21%, 45%
XYZ	13.9614, 16.0810, 12.2649
YIQ	109.5730, 2.3400, -9.3720

Conversions

Conversions Part 2

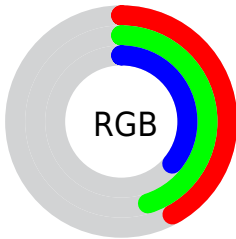
Format	Color
R _Y B	91, 115, 100
Decimal	6976347
CIE Lab	47.08, -8.08, 12.17
CIE LCh	47, 14.610, 123.593
Yxy	16.0810, 0.3300, 0.3801
Android (android.graphics.Color)	4285166427 (0xFF6A735B)
YUV	109.5730, -9.1565, -3.1335
Hunter-Lab	40.1011, -8.0313, 9.9370

Details

The Yxy color **16.0810, 0.3300, 0.3801** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.4303, 0.2927, 0.2767**, and the grayscale version is **15.4901, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7286, 0.3259, 0.3679**, and **5.1336, 0.3383, 0.4053** is the 20% darker color. If you saturate the color by 10%, you get **15.6401, 0.3380, 0.4066**, and if you desaturate by 10%, it is **16.5671, 0.3217, 0.3548**.

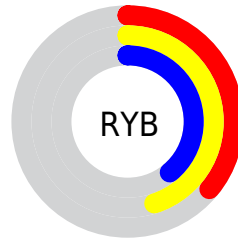
Distribution



Red (42%)

Green (45%)

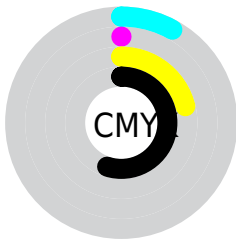
Blue (36%)



Red (36%)

Yellow (45%)

Blue (39%)

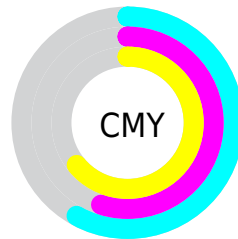


Cyan (8%)

Magenta (0%)

Yellow (21%)

Black (55%)



Cyan (58%)


Magenta (55%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.0810, 0.3300, 0.3801 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 16.0810, 0.3300, 0.3801 by changing the saturation by 10% instead.


 16.0810, 0.3300,
0.3801


 16.0810, 0.3300,
0.3801


229.8192, 0.3202,
0.3495


 9.5815, 0.3329,
0.3902


 36.7388, 0.3261,
0.3674


 5.1224, 0.3370,
0.4052

 51.6658, 0.3247,
0.3632

 2.3192, 0.3427,
0.4296

 70.1708, 0.3236,
0.3598

 0.7839, 0.4105,
0.5875

 92.6382, 0.3227,
0.3570

 0.0000, 0.0000,
0.0000

119.4523, 0.3219,
0.3546

150.9976, 0.3212,

0.3527

187.6584, 0.3207,
0.3510

■ 16.0810, 0.3300,
0.3801

■ 16.0810, 0.3300,
0.3801

■ 15.6401, 0.3380,
0.4066

■ 16.5671, 0.3217,
0.3548

■ 15.2406, 0.3454,
0.4336

■ 17.0978, 0.3134,
0.3310

■ 14.8817, 0.3518,
0.4603

■ 17.6751, 0.3053,
0.3090

■ 14.5614, 0.3567,
0.4856

■ 18.3005, 0.2976,
0.2888

■ 14.2779, 0.3598,
0.5085

■ 18.9751, 0.2902,
0.2705

■ 14.0288, 0.3608,
0.5278

■ 19.7002, 0.2833,
0.2539

■ 13.8116, 0.3595,
0.5428

■ 20.4770, 0.2769,
0.2390

■ 13.6327, 0.3574,
0.5544

■ 21.3066, 0.2709,
0.2256

■ 22.1901, 0.2654,
0.2135

Harmonies

Analogous

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



16.0810, 0.3553, 0.3777



16.0810, 0.3300, 0.3801



16.0810, 0.3008, 0.3670

Triad

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



16.0810, 0.3300, 0.3801



16.0810, 0.2588, 0.2928



16.0810, 0.3503, 0.3151

Complementary

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



16.0810, 0.3300, 0.3801



11.4303, 0.2927, 0.2767

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.



16.0810, 0.3228, 0.2950



16.0810, 0.3300, 0.3801



16.0810, 0.2706, 0.2818

Square

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



16.0810, 0.3300, 0.3801



16.0810, 0.2606, 0.3146



16.0810, 0.2936, 0.2829



16.0810, 0.3677, 0.3393

Rectangle

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



16.0810, 0.3300, 0.3801



16.0810, 0.2832, 0.3513



16.0810, 0.2936, 0.2829



16.0810, 0.3419, 0.3077

Sweetspot

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



16.0817, 0.3300, 0.3801



30.1007, 0.3178, 0.3434



13.4769, 0.3482, 0.3477



7.1701, 0.3182, 0.3445



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



16.0817, 0.3300, 0.3801



28.4058, 0.3339, 0.3926



15.4087, 0.3143, 0.3826



4.2008, 0.3202, 0.3503



15.5705, 0.3570, 0.5547



75.3754, 0.3538, 0.5572

Inverse Universe

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



11.4303, 0.2927, 0.2767



18.5005, 0.2873, 0.2634



12.1518, 0.3102, 0.2793



3.6507, 0.3048, 0.3075



1.9959, 0.1841, 0.0788



9.2711, 0.1789, 0.0759

Previews

White Background



This preview shows how the Yxy color 16.0810, 0.3300, 0.3801 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 16.0810, 0.3300, 0.3801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

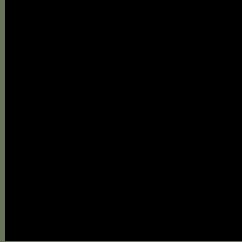
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

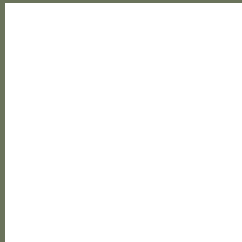
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.0810, 0.3300, 0.3801

Background



This preview shows how black text looks on a background with the Yxy color 16.0810, 0.3300, 0.3801.



This preview shows how white text looks on a background with the Yxy color 16.0810, 0.3300, 0.3801.

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

16.0810, 0.3300, 0.3801

Protanopia

15.9417, 0.3508, 0.3739

Deuteranopia

15.9728, 0.3632, 0.3562



Tritanopia

16.0399, 0.3005, 0.3109

Trichromacy



Original Color

16.0810, 0.3300, 0.3801

Protanomaly

15.9039, 0.3434, 0.3746

Deuteranomaly

15.9895, 0.3516, 0.3652

Tritanomaly

15.9437, 0.3124, 0.3352

Monochromacy



Original Color

16.0810, 0.3300, 0.3801

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.8188, 0.3199, 0.3478

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0810, 0.3300, 0.3801 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(106, 115, 91)` looks like.

```
.text, #text, p{  
    color:rgb(106, 115, 91)  
}
```

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(106, 115, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 115, 91) }
```

Border

The CSS property to change the border of an element to Yxy 16.0810, 0.3300, 0.3801 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(106, 115, 91) }
```

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

```
.border{ border-color:rgb(106, 115, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 115, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 115, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 115, 91);  
box-shadow:4px 4px 4px 4px rgb(106, 115,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 16.0810, 0.3300, 0.3801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 115, 91) }
```

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

```
.background{ background-color: rgb(106,  
115, 91) }
```

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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