

Converting Colors

$Yxy(16.6177, 0.3007, 0.3711)$

Have a look what the booklet for
Yxy(16.6177, 0.3007, 0.3711)
contains.

Yxy(16.6478, 0.2999, 0.3704)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.6478, 0.2999, 0.3704)

Conversions

Conversions Part 1

Format	Color
Hex	5C7865
RGB	92, 120, 101
RGB Percent	36%, 47%, 40%
CMY	0.6392, 0.5294, 0.6039
CMYK	0.23, 0.00, 0.16, 0.53
HSL	139°, 13%, 42%
HSV	139°, 23%, 47%
XYZ	13.4791, 16.6478, 14.8185
YIQ	109.4620, -10.5890, -11.8450

Conversions

Conversions Part 2

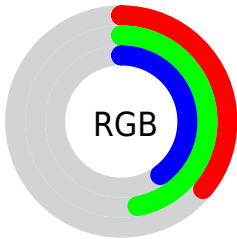
Format	Color
R_{YB}	92, 113, 120
Decimal	6060133
CIE _{Lab}	47.81, -14.31, 7.15
CIE _{LCh}	48, 16.000, 153.467
Yxy	16.6478, 0.2999, 0.3704
Android (android.graphics.Color)	4284250213 (0xFF5C7865)
YUV	109.4620, -4.1718, -15.3142
Hunter-Lab	40.8017, -12.4342, 7.0280

Details

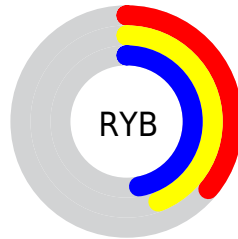
The Yxy color **16.6478, 0.2999, 0.3704** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.7939, 0.3284, 0.2909**, and the grayscale version is **15.4457, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.6117, 0.3034, 0.3594**, and **5.3307, 0.2933, 0.3908** is the 20% darker color. If you saturate the color by 10%, you get **15.9270, 0.2948, 0.3914**, and if you desaturate by 10%, it is **17.4837, 0.3053, 0.3513**.

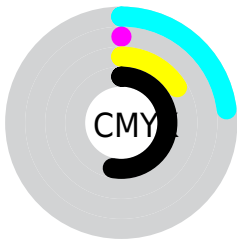
Distribution



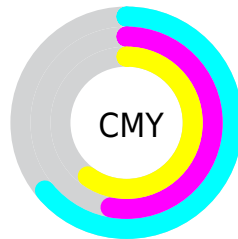
- Red (36%)
- Green (47%)
- Blue (40%)



- Red (36%)
- Yellow (44%)
- Blue (47%)



- Cyan (23%)
- Magenta (0%)
- Yellow (16%)
- Black (53%)





- Cyan (64%)
- Magenta (53%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.6478, 0.2999, 0.3704 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 16.6478, 0.2999, 0.3704 by changing the saturation by 10% instead.


 16.6478, 0.2999,
0.3704


 16.6478, 0.2999,
0.3704


233.1345, 0.3077,
0.3456


 9.9837, 0.2973,
0.3786


 37.7192, 0.3032,
0.3601


 5.3882, 0.2933,
0.3909

 52.8953, 0.3042,
0.3567

 2.4768, 0.2865,
0.4111

 71.6776, 0.3051,
0.3539

 0.8650, 0.2656,
0.4860

 94.4503, 0.3058,
0.3516

 0.0000, 0.0000,
0.0000

121.5980, 0.3064,
0.3498

153.5050, 0.3069,

0.3482

190.5557, 0.3073,
0.3468

■ 16.6478, 0.2999,
0.3704

■ 16.6478, 0.2999,
0.3704

■ 15.9270, 0.2948,
0.3914

■ 17.4837, 0.3053,
0.3513

■ 15.3141, 0.2902,
0.4142

■ 18.4373, 0.3109,
0.3343

■ 14.8045, 0.2864,
0.4383

■ 19.5139, 0.3164,
0.3191

■ 14.3921, 0.2837,
0.4633

■ 20.7175, 0.3218,
0.3057

■ 14.0704, 0.2824,
0.4883

■ 22.0523, 0.3269,
0.2940

■ 13.8320, 0.2826,
0.5123

■ 23.5221, 0.3319,
0.2837

■ 13.6675, 0.2843,
0.5342

■ 25.1306, 0.3366,
0.2747

■ 13.5778, 0.2855,
0.5477

■ 26.8813, 0.3410,
0.2669

■ 28.7776, 0.3451,
0.2600

Harmonies

Analogous

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



16.6478, 0.3314, 0.3845



16.6478, 0.2999, 0.3704



16.6478, 0.2728, 0.3434

Triad

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



16.6478, 0.2999, 0.3704



16.6478, 0.2671, 0.2781



16.6478, 0.3723, 0.3398

Complementary

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



16.6478, 0.2999, 0.3704



12.7939, 0.3284, 0.2909

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.



16.6478, 0.3533, 0.3139



16.6478, 0.2999, 0.3704



16.6478, 0.2919, 0.2793

Square

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



16.6478, 0.2999, 0.3704



16.6478, 0.2546, 0.2899



16.6478, 0.3234, 0.2922



16.6478, 0.3742, 0.3645

Rectangle

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



16.6478, 0.2999, 0.3704



16.6478, 0.2605, 0.3231



16.6478, 0.3234, 0.2922



16.6478, 0.3677, 0.3310

Sweetspot

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



16.6485, 0.2999, 0.3704



31.7587, 0.3087, 0.3406



17.5944, 0.3343, 0.3864



7.5097, 0.3085, 0.3413



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.



16.6485, 0.2999, 0.3704



28.5776, 0.2971, 0.3814



16.9434, 0.2851, 0.3398



4.4693, 0.3077, 0.3438



14.8094, 0.2857, 0.5484



70.5025, 0.2882, 0.5574

Inverse Universe

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



12.7939, 0.3284, 0.2909



20.5492, 0.3328, 0.2819



12.5121, 0.3497, 0.3185



4.0566, 0.3181, 0.3146



5.0074, 0.4190, 0.2082



23.7253, 0.4254, 0.2117

Previews

White Background



This preview shows how the Yxy color 16.6478, 0.2999, 0.3704 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 16.6478, 0.2999, 0.3704 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

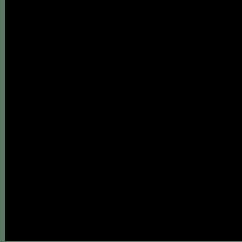
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

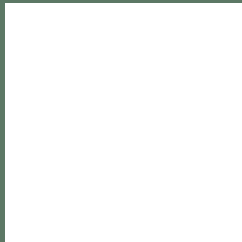
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.6478, 0.2999, 0.3704

Background



This preview shows how black text looks on a background with the Yxy color 16.6478, 0.2999, 0.3704.

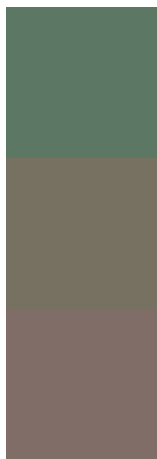


This preview shows how white text looks on a background with the Yxy color 16.6478, 0.2999, 0.3704.

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

16.6478, 0.2999, 0.3704

Protanopia

16.5953, 0.3410, 0.3611

Deuteranopia

16.5057, 0.3471, 0.3406



Tritanopia

16.7703, 0.2788, 0.3105

Trichromacy



Original Color

16.6478, 0.2999, 0.3704

Protanomaly

16.6238, 0.3253, 0.3664

Deuteranomaly

16.4144, 0.3291, 0.3514

Tritanomaly

16.6741, 0.2860, 0.3310

Monochromacy



Original Color

16.6478, 0.2999, 0.3704

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

15.7344, 0.3081, 0.3438

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6478, 0.2999, 0.3704 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(92, 120, 101)` looks like.

```
.text, #text, p{  
  color:rgb(92, 120, 101)  
}
```

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(92, 120, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 120, 101) }
```

Border

The CSS property to change the border of an element to Yxy 16.6478, 0.2999, 0.3704 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(92, 120, 101) }
```

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

```
.border{ border-color:rgb(92, 120, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 120, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 120, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 120, 101);  
box-shadow:4px 4px 4px 4px rgb(92, 120,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 16.6478, 0.2999, 0.3704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 120, 101) }
```

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

```
.background{ background-color: rgb(92, 120,  
101) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor