

Converting Colors

$Yxy(16.5688, 0.3109, 0.4498)$

Have a look what the booklet for
Yxy(16.5688, 0.3109, 0.4498)
contains.

Yxy(16.6848, 0.3103, 0.4495)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(16.6848, 0.3103, 0.4495)

Conversions

Conversions Part 1

Format	Color
Hex	4C7D49
RGB	76, 125, 73
RGB Percent	30%, 49%, 29%
CMY	0.7019, 0.5098, 0.7137
CMYK	0.39, 0.00, 0.42, 0.51
HSL	117°, 26%, 39%
HSV	117°, 42%, 49%
XYZ	11.5179, 16.6848, 8.9159
YIQ	104.4210, -12.5120, -26.5600

Conversions

Conversions Part 2

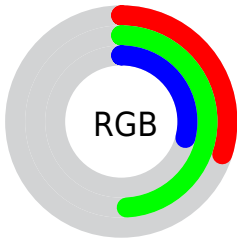
Format	Color
RYB	73, 125, 122
Decimal	5012809
CIELab	47.86, -27.83, 23.26
CIElCh	48, 36.269, 140.120
Yxy	16.6848, 0.3103, 0.4495
Android (android.graphics.Color)	4283202889 (0xFF4C7D49)
YUV	104.4210, -15.4906, -24.9252
Hunter-Lab	40.8470, -21.1495, 15.6514

Details

The Yxy color **16.6848, 0.3103, 0.4495** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **10.3809, 0.3124, 0.2299**, and the grayscale version is **14.0087, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7580, 0.3126, 0.4188**, and **5.4723, 0.3016, 0.5125** is the 20% darker color. If you saturate the color by 10%, you get **16.0970, 0.3091, 0.4834**, and if you desaturate by 10%, it is **17.3956, 0.3112, 0.4165**.

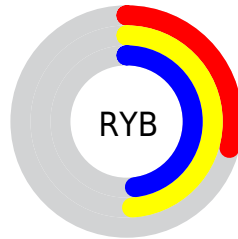
Distribution



Red (30%)

Green (49%)

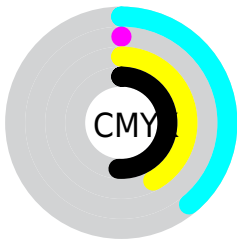
Blue (29%)



Red (29%)

Yellow (49%)

Blue (48%)

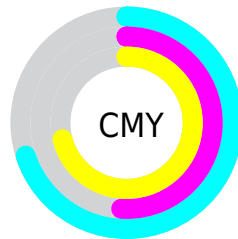


Cyan (39%)

Magenta (0%)

Yellow (42%)

Black (51%)



Cyan (70%)


Magenta (51%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.6848, 0.3103, 0.4495 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 16.6848, 0.3103, 0.4495 by changing the saturation by 10% instead.


 16.6848, 0.3103,
0.4495


 16.6848, 0.3103,
0.4495


233.3494, 0.3139,
0.3756

 10.0100, 0.3076,
0.4747


 37.7830, 0.3126,
0.4183


 5.4056, 0.3021,
0.5126

 52.9753, 0.3131,
0.4080


 2.4872, 0.2936,
0.5828

 71.7755, 0.3134,
0.3998

 0.8702, 0.1451,
0.8549

 94.5680, 0.3136,
0.3931

 0.0000, 0.0000,
0.0000

 121.7373, 0.3137,
0.3876

153.6676, 0.3138,

0.3830

190.7435, 0.3139,
0.3790

■ 16.6848, 0.3103,
0.4495

■ 16.6848, 0.3103,
0.4495

■ 16.0970, 0.3091,
0.4834

■ 17.3956, 0.3112,
0.4165

■ 15.6233, 0.3077,
0.5164

■ 18.2336, 0.3119,
0.3857

■ 15.2568, 0.3060,
0.5463


■ 19.2053, 0.3124,
0.3577

■ 14.9892, 0.3043,
0.5707

■ 20.3163, 0.3127,
0.3327

■ 14.8107, 0.3027,
0.5879


■ 21.5717, 0.3128,
0.3108

 14.7140, 0.3020,
0.5984

 22.9765, 0.3129,
0.2917

 24.5354, 0.3129,
0.2751

 26.2527, 0.3128,
0.2607

 28.1329, 0.3127,
0.2483

Harmonies

Analogous

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



16.6848, 0.3784, 0.4575



16.6848, 0.3103, 0.4495



16.6848, 0.2465, 0.3936

Triad

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



16.6848, 0.3103, 0.4495



16.6848, 0.2009, 0.2264



16.6848, 0.4340, 0.3218

Complementary

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



16.6848, 0.3103, 0.4495



10.3809, 0.3124, 0.2299

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.



16.6848, 0.3750, 0.2736



16.6848, 0.3103, 0.4495



16.6848, 0.2397, 0.2208

Square

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



16.6848, 0.3103, 0.4495



16.6848, 0.1885, 0.2584



16.6848, 0.3019, 0.2379



16.6848, 0.4546, 0.3750

Rectangle

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



16.6848, 0.3103, 0.4495



16.6848, 0.2149, 0.3430



16.6848, 0.3019, 0.2379



16.6848, 0.4177, 0.3048

Sweetspot

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



16.6855, 0.3103, 0.4495



34.2649, 0.3124, 0.3595



18.6455, 0.3744, 0.4215



7.7524, 0.3123, 0.3622



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



16.6855, 0.3103, 0.4495



28.8636, 0.3092, 0.4821



16.9193, 0.2852, 0.3965



4.8298, 0.3125, 0.3512



15.3561, 0.3019, 0.5985



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.3809, 0.3124, 0.2299



15.9409, 0.3119, 0.2089



10.0931, 0.3556, 0.2706



4.4001, 0.3129, 0.3077



5.5442, 0.3068, 0.1464



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.6848, 0.3103, 0.4495 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 16.6848, 0.3103, 0.4495 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

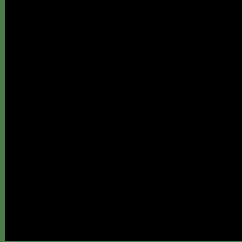
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.6848, 0.3103, 0.4495

Background



This preview shows how black text looks on a background with the Yxy color 16.6848, 0.3103, 0.4495.



This preview shows how white text looks on a background with the Yxy color 16.6848, 0.3103, 0.4495.

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

16.6848, 0.3103, 0.4495

Protanopia

16.5127, 0.3851, 0.4167

Deuteranopia

16.4118, 0.3936, 0.3869



Tritanopia

16.7784, 0.2666, 0.3101

Trichromacy



Original Color

16.6848, 0.3103, 0.4495

Protanomaly

16.2906, 0.3556, 0.4282

Deuteranomaly

16.1338, 0.3602, 0.4075

Tritanomaly

16.5965, 0.2825, 0.3576

Monochromacy



Original Color

16.6848, 0.3103, 0.4495

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

14.7583, 0.3120, 0.3718

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6848, 0.3103, 0.4495 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(76, 125, 73)` looks like.

```
.text, #text, p{  
    color:rgb(76, 125, 73)  
}
```

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(76, 125, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 125, 73) }
```

Border

The CSS property to change the border of an element to Yxy 16.6848, 0.3103, 0.4495 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(76, 125, 73) }
```

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

```
.border{ border-color:rgb(76, 125, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 125, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 125, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 125, 73);  
box-shadow:4px 4px 4px 4px rgb(76, 125,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 16.6848, 0.3103, 0.4495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 125, 73) }
```

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

```
.background{ background-color: rgb(76, 125,  
73) }
```

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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