

Converting Colors

$Y_{xy}(16.3595, 0.3231, 0.4908)$

Have a look what the booklet for
Yxy(16.3595, 0.3231, 0.4908)
contains.

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Color

Yxy(16.3595, 0.3231, 0.4908)

Conversions

Conversions Part 1

Format	Color
Hex	497D37
RGB	73, 125, 55
RGB Percent	29%, 49%, 22%
CMY	0.7138, 0.5098, 0.7843
CMYK	0.42, 0.00, 0.56, 0.51
HSL	105°, 39%, 35%
HSV	105°, 56%, 49%
XYZ	10.7697, 16.3595, 6.2031
YIQ	101.4720, -8.5220, -32.7940

Conversions

Conversions Part 2

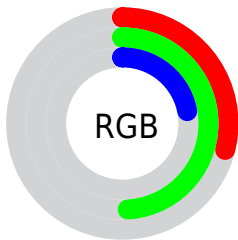
Format	Color
RYB	55, 125, 107
Decimal	4816183
CIELab	47.44, -31.51, 32.43
CIELCh	47, 45.215, 134.178
Yxy	16.3595, 0.3231, 0.4908
Android (android.graphics.Color)	4283006263 (0xFF497D37)
YUV	101.4720, -22.9107, -24.9699
Hunter-Lab	40.4469, -23.2534, 19.2198

Details

The Yxy color **16.3595, 0.3231, 0.4908** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **7.3390, 0.2876, 0.1896**, and the grayscale version is **13.2038, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2002, 0.3241, 0.4485**, and **5.1940, 0.3133, 0.5735** is the 20% darker color. If you saturate the color by 10%, you get **15.9191, 0.3225, 0.5208**, and if you desaturate by 10%, it is **16.8858, 0.3227, 0.4592**.

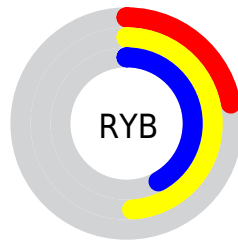
Distribution



Red (29%)

Green (49%)

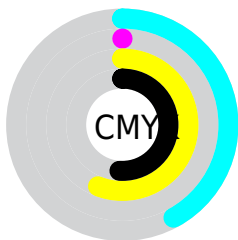
Blue (22%)



Red (22%)

Yellow (49%)

Blue (42%)

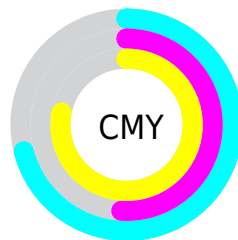


Cyan (42%)

Magenta (0%)

Yellow (56%)

Black (51%)



Cyan (71%)


Magenta (51%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3595, 0.3231, 0.4908 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 16.3595, 0.3231, 0.4908 by changing the saturation by 10% instead.


 16.3595, 0.3231,
0.4908


 16.3595, 0.3231,
0.4908


 231.4538, 0.3211,
0.3912


 9.7789, 0.3205,
0.5242


 37.2212, 0.3240,
0.4488


 5.2526, 0.3133,
0.5729

 52.2711, 0.3238,
0.4349


 2.3962, 0.3120,
0.6880

 70.9129, 0.3234,
0.4239

 0.8239, 0.0166,
0.9834

 93.5309, 0.3229,
0.4149

 0.0000, 0.0000,
0.0000

 120.5096, 0.3224,
0.4074

 152.2334, 0.3220,

0.4011

189.0867, 0.3215,
0.3958

■ 16.3595, 0.3231,
0.4908

■ 16.3595, 0.3231,
0.4908

■ 15.9191, 0.3225,
0.5208

■ 16.8858, 0.3227,
0.4592

■ 15.5579, 0.3206,
0.5474

■ 17.5004, 0.3214,
0.4276

■ 15.2712, 0.3176,
0.5688

■ 18.2079, 0.3194,
0.3973

■ 15.0516, 0.3138,
0.5844

■ 19.0122, 0.3170,
0.3691

■ 14.9777, 0.3125,
0.5900

■ 19.9167, 0.3144,
0.3433

■ 20.9248, 0.3116,
0.3200

■ 22.0399, 0.3088,
0.2994

■ 23.2648, 0.3061,
0.2811

■ 24.6027, 0.3035,
0.2650

Harmonies

Analogous

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



16.3595, 0.4048, 0.4822



16.3595, 0.3231, 0.4908



16.3595, 0.2430, 0.4300

Triad

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



16.3595, 0.3231, 0.4908



16.3595, 0.1724, 0.2083



16.3595, 0.4533, 0.3053

Complementary

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



16.3595, 0.3231, 0.4908



7.3390, 0.2876, 0.1896

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.



16.3595, 0.3719, 0.2513



16.3595, 0.3231, 0.4908



16.3595, 0.2115, 0.1975

Square

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



16.3595, 0.3231, 0.4908



16.3595, 0.1636, 0.2514



16.3595, 0.2810, 0.2132



16.3595, 0.4885, 0.3672

Rectangle

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



16.3595, 0.3231, 0.4908



16.3595, 0.2017, 0.3645



16.3595, 0.2810, 0.2132



16.3595, 0.4298, 0.2861

Sweetspot

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



16.3602, 0.3231, 0.4908



33.8303, 0.3174, 0.3729



15.0134, 0.4084, 0.4277



7.6419, 0.3178, 0.3772



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.



16.3602, 0.3231, 0.4908



28.3223, 0.3221, 0.5282



15.9398, 0.2910, 0.4612



4.8680, 0.3152, 0.3510



15.6277, 0.3124, 0.5901



0.0000, 0.0000, 0.0000

Inverse Universe

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



7.3390, 0.2876, 0.1896



10.4358, 0.2796, 0.1626



8.1889, 0.3486, 0.2272



4.3585, 0.3100, 0.3075



3.9641, 0.2586, 0.1198



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.3595, 0.3231, 0.4908 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 16.3595, 0.3231, 0.4908 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

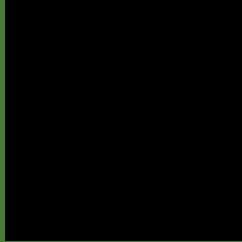
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.3595, 0.3231, 0.4908

Background



This preview shows how black text looks on a background with the Yxy color 16.3595, 0.3231, 0.4908.



This preview shows how white text looks on a background with the Yxy color 16.3595, 0.3231, 0.4908.

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

16.3595, 0.3231, 0.4908

Protanopia

16.1124, 0.4053, 0.4441

Deuteranopia

16.1600, 0.4194, 0.4135



Tritanopia

16.2333, 0.2660, 0.3078

Trichromacy



Original Color

16.3595, 0.3231, 0.4908

Protanomaly

15.9738, 0.3719, 0.4638

Deuteranomaly

15.9175, 0.3812, 0.4423

Tritanomaly

16.1219, 0.2874, 0.3719

Monochromacy



Original Color

16.3595, 0.3231, 0.4908

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

14.0161, 0.3192, 0.3894

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3595, 0.3231, 0.4908 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(73, 125, 55)` looks like.

```
.text, #text, p{  
    color:rgb(73, 125, 55)  
}
```

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(73, 125, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 125, 55) }
```

Border

The CSS property to change the border of an element to Yxy 16.3595, 0.3231, 0.4908 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(73, 125, 55) }
```

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

```
.border{ border-color:rgb(73, 125, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 125, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 125, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 125, 55);  
box-shadow:4px 4px 4px 4px rgb(73, 125,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3595, 0.3231, 0.4908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 125, 55) }
```

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

```
.background{ background-color: rgb(73, 125,  
55) }
```

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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