

Converting Colors

$Y_{xy}(16.5310, 0.3035, 0.4312)$

Have a look what the booklet for
Yxy(16.5310, 0.3035, 0.4312)
contains.

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Color

Yxy(16.5310, 0.3035, 0.4312)

Conversions

Conversions Part 1

Format	Color
Hex	4C7C50
RGB	76, 124, 80
RGB Percent	30%, 49%, 31%
CMY	0.7020, 0.5137, 0.6862
CMYK	0.39, 0.00, 0.35, 0.51
HSL	125°, 24%, 39%
HSV	125°, 39%, 49%
XYZ	11.6353, 16.5310, 10.1709
YIQ	104.6320, -14.4840, -23.8600

Conversions

Conversions Part 2

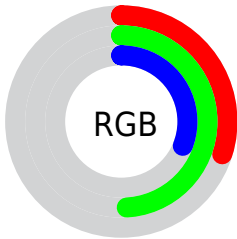
Format	Color
RYB	76, 120, 124
Decimal	5012560
CIELab	47.66, -26.15, 19.02
CIElCh	48, 32.331, 143.968
Yxy	16.5310, 0.3035, 0.4312
Android (android.graphics.Color)	4283202640 (0xFF4C7C50)
YUV	104.6320, -12.1436, -25.1103
Hunter-Lab	40.6583, -20.0701, 13.6292

Details

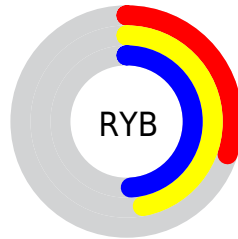
The Yxy color **16.5310, 0.3035, 0.4312** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **10.8064, 0.3233, 0.2446**, and the grayscale version is **14.0577, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5680, 0.3067, 0.4042**, and **5.3865, 0.2943, 0.4846** is the 20% darker color. If you saturate the color by 10%, you get **15.9180, 0.3013, 0.4630**, and if you desaturate by 10%, it is **17.2717, 0.3059, 0.4010**.

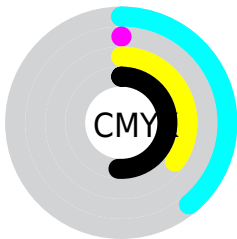
Distribution



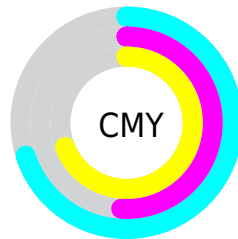
- Red (30%)
- Green (49%)
- Blue (31%)



- Red (30%)
- Yellow (47%)
- Blue (49%)



- Cyan (39%)
- Magenta (0%)
- Yellow (35%)
- Black (51%)





- Cyan (70%)
- Magenta (51%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.5310, 0.3035, 0.4312 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 16.5310, 0.3035, 0.4312 by changing the saturation by 10% instead.


 16.5310, 0.3035,
0.4312


 16.5310, 0.3035,
0.4312


232.4550, 0.3105,
0.3686


 9.9007, 0.3002,
0.4527


 37.5176, 0.3069,
0.4047


 5.3332, 0.2944,
0.4851

 52.6427, 0.3079,
0.3960


 2.4440, 0.2829,
0.5403

 71.3682, 0.3086,
0.3891

 0.8484, 0.1654,
0.8346

 94.0784, 0.3092,
0.3835

 0.0000, 0.0000,
0.0000

 121.1578, 0.3096,
0.3788

152.9908, 0.3099,

0.3748

189.9617, 0.3102,
0.3715

■ 16.5310, 0.3035,
0.4312

■ 16.5310, 0.3035,
0.4312

■ 15.9180, 0.3013,
0.4630

■ 17.2717, 0.3059,
0.4010

■ 15.4235, 0.2995,
0.4952

■ 18.1445, 0.3083,
0.3733

■ 15.0405, 0.2982,
0.5258


■ 19.1562, 0.3107,
0.3484

■ 14.7602, 0.2975,
0.5530


■ 20.3125, 0.3130,
0.3264

■ 14.5726, 0.2976,
0.5747


■ 21.6187, 0.3152,
0.3071

 14.4530, 0.2977,
0.5900

 23.0800, 0.3171,
0.2903

 14.4395, 0.2977,
0.5916

 24.7012, 0.3190,
0.2758

 26.4870, 0.3206,
0.2632

 28.4419, 0.3222,
0.2523

Harmonies

Analogous

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



16.5310, 0.3654, 0.4453



16.5310, 0.3035, 0.4312



16.5310, 0.2473, 0.3781

Triad

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



16.5310, 0.3035, 0.4312



16.5310, 0.2145, 0.2343



16.5310, 0.4257, 0.3295

Complementary

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



16.5310, 0.3035, 0.4312



10.8064, 0.3233, 0.2446

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.



16.5310, 0.3767, 0.2842



16.5310, 0.3035, 0.4312



16.5310, 0.2532, 0.2315

Square

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



16.5310, 0.3035, 0.4312



16.5310, 0.1999, 0.2609



16.5310, 0.3116, 0.2495



16.5310, 0.4396, 0.3783

Rectangle

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



16.5310, 0.3035, 0.4312



16.5310, 0.2202, 0.3335



16.5310, 0.3116, 0.2495



16.5310, 0.4126, 0.3137

Sweetspot

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



16.5317, 0.3035, 0.4312



33.0460, 0.3099, 0.3569



18.9314, 0.3627, 0.4224



7.7398, 0.3096, 0.3594



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.



16.5317, 0.3035, 0.4312



28.1717, 0.3017, 0.4577



16.9515, 0.2798, 0.3739



4.4549, 0.3106, 0.3492



14.6776, 0.2977, 0.5916



69.9589, 0.2988, 0.5958

Inverse Universe

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



10.8064, 0.3233, 0.2446



16.6643, 0.3260, 0.2275



10.2956, 0.3647, 0.2887



4.0720, 0.3149, 0.3096



5.5809, 0.3425, 0.1660



26.5600, 0.3437, 0.1667

Previews

White Background



This preview shows how the Yxy color 16.5310, 0.3035, 0.4312 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 16.5310, 0.3035, 0.4312 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 16.5310, 0.3035, 0.4312

Background



This preview shows how black text looks on a background with the Yxy color 16.5310, 0.3035, 0.4312.



This preview shows how white text looks on a background with the Yxy color 16.5310, 0.3035, 0.4312.

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

16.5310, 0.3035, 0.4312

Protanopia

16.4558, 0.3736, 0.4044

Deuteranopia

16.3518, 0.3811, 0.3746



Tritanopia

16.4938, 0.2653, 0.3079

Trichromacy



Original Color

16.5310, 0.3035, 0.4312

Protanomaly

16.2617, 0.3448, 0.4145

Deuteranomaly

16.1039, 0.3486, 0.3937

Tritanomaly

16.3745, 0.2783, 0.3488

Monochromacy



Original Color

16.5310, 0.3035, 0.4312

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

14.8126, 0.3084, 0.3648

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5310, 0.3035, 0.4312 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, 124, 80)` looks like.

```
.text, #text, p{  
    color:rgb(76, 124, 80)  
}
```

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, 124, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 124, 80) }
```

Border

The CSS property to change the border of an element to Yxy 16.5310, 0.3035, 0.4312 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, 124, 80) }
```

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

```
.border{ border-color:rgb(76, 124, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 124, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 124, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 124, 80);  
box-shadow:4px 4px 4px 4px rgb(76, 124,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 16.5310, 0.3035, 0.4312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 124, 80) }
```

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

```
.background{ background-color: rgb(76, 124,  
80) }
```

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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