

Converting Colors

$Y_{xy}(17.3445, 0.4052, 0.4819)$

Have a look what the booklet for
Yxy(17.3445, 0.4052, 0.4819)
contains.

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Color

Yxy(17.2311, 0.4048, 0.4813)

Conversions

Conversions Part 1

Format	Color
Hex	777722
RGB	119, 119, 34
RGB Percent	47%, 47%, 13%
CMY	0.5334, 0.5333, 0.8665
CMYK	0.00, 0.00, 0.71, 0.53
HSL	60°, 56%, 30%
HSV	60°, 71%, 47%
XYZ	14.4923, 17.2311, 4.0778
YIQ	109.3100, 27.2850, -26.4350

Conversions

Conversions Part 2

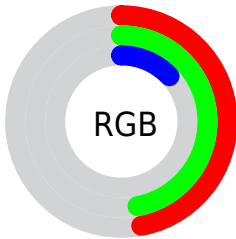
Format	Color
R_{YB}	34, 119, 34
Decimal	7829282
CIE _{Lab}	48.55, -11.11, 44.38
CIE _{LCh}	49, 45.750, 104.060
Yxy	17.2311, 0.4048, 0.4813
Android (android.graphics.Color)	4286019362 (0xFF777722)
YUV	109.3100, -37.1278, 8.4981
Hunter-Lab	41.5104, -10.3243, 23.2329

Details

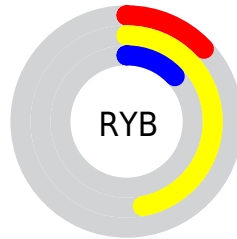
The Yxy color **17.2311, 0.4048, 0.4813** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.8190, 0.1816, 0.1121**, and the grayscale version is **15.4883, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.7646, 0.3887, 0.4482**, and **5.7354, 0.4127, 0.5105** is the 20% darker color. If you saturate the color by 10%, you get **17.1745, 0.4118, 0.4928**, and if you desaturate by 10%, it is **17.3132, 0.3955, 0.4660**.

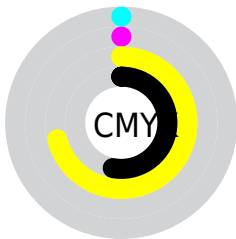
Distribution



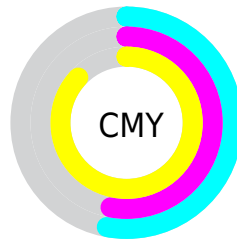
- Red (47%)
- Green (47%)
- Blue (13%)



- Red (13%)
- Yellow (47%)
- Blue (13%)



- Cyan (0%)
- Magenta (0%)
- Yellow (71%)
- Black (53%)





- Cyan (53%)
- Magenta (53%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.2311, 0.4048, 0.4813 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 17.2311, 0.4048, 0.4813 by changing the saturation by 10% instead.


 17.2311, 0.4048,
0.4813


 17.2311, 0.4048,
0.4813


236.5006, 0.3566,
0.3946


 10.3994, 0.4146,
0.5044


 38.7227, 0.3880,
0.4479


 5.6646, 0.4286,
0.5392

 54.1514, 0.3813,
0.4358


 2.6422, 0.4296,
0.5704

 73.2145, 0.3755,
0.4259

 0.9479, 0.3986,
0.6014

 96.2965, 0.3706,
0.4175

 0.0000, 0.0000,
0.0000

 123.7817, 0.3664,
0.4105

 156.0545, 0.3627,

0.4044

193.4994, 0.3595,
0.3992

17.2311, 0.4048,
0.4813

17.2311, 0.4048,
0.4813

17.1745, 0.4118,
0.4928

17.3132, 0.3955,
0.4660

17.1382, 0.4163,
0.5004

17.4204, 0.3843,
0.4474

17.1156, 0.4193,
0.5053

17.5557, 0.3715,
0.4262

17.7207, 0.3577,
0.4033

17.9171, 0.3433,
0.3795

■ 18.1464, 0.3288,
0.3556

■ 18.4099, 0.3147,
0.3322

■ 18.7092, 0.3011,
0.3098

■ 19.0453, 0.2883,
0.2886

Harmonies

Analogous

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



17.2311, 0.4665, 0.4299



17.2311, 0.4048, 0.4813



17.2311, 0.3235, 0.4899

Triad

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



17.2311, 0.4048, 0.4813



17.2311, 0.1643, 0.2521



17.2311, 0.3712, 0.2514

Complementary

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



17.2311, 0.4048, 0.4813



2.8190, 0.1816, 0.1121

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.



17.2311, 0.2809, 0.2136



17.2311, 0.4048, 0.4813



17.2311, 0.1729, 0.2090

Square

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



17.2311, 0.4048, 0.4813



17.2311, 0.1873, 0.3319



17.2311, 0.2117, 0.1981



17.2311, 0.4523, 0.3053

Rectangle

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



17.2311, 0.4048, 0.4813



17.2311, 0.2687, 0.4569



17.2311, 0.2117, 0.1981



17.2311, 0.3402, 0.2367

Sweetspot

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



17.2319, 0.4048, 0.4813



32.0757, 0.3435, 0.3799



5.1840, 0.5387, 0.3297



7.5821, 0.3467, 0.3851



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.



17.2319, 0.4048, 0.4813



30.7032, 0.4151, 0.4984



14.8688, 0.3460, 0.5191



4.2662, 0.3254, 0.3500



18.1822, 0.4193, 0.5053



88.6036, 0.4193, 0.5053

Inverse Universe

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



2.8190, 0.1816, 0.1121



3.1188, 0.1595, 0.0757



4.0359, 0.2402, 0.1400



3.5899, 0.2995, 0.3071



1.4153, 0.1500, 0.0600



6.8962, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 17.2311, 0.4048, 0.4813 looks on a white background.

Color Contrast Check

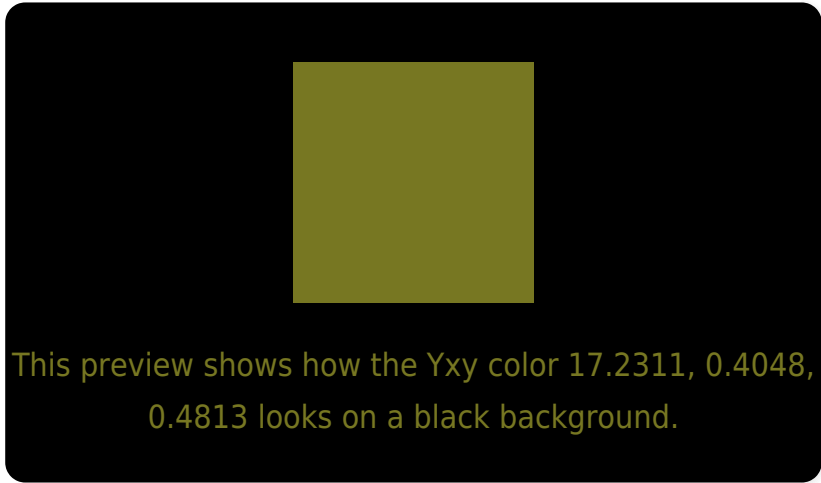
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

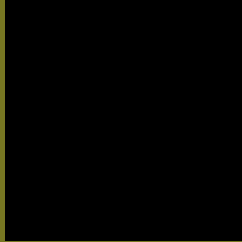
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.2311, 0.4048, 0.4813

Background



This preview shows how black text looks on a background with the Yxy color 17.2311, 0.4048, 0.4813.



This preview shows how white text looks on a background with the Yxy color 17.2311, 0.4048, 0.4813.

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

17.2311, 0.4048, 0.4813

Protanopia

17.2677, 0.4233, 0.4693

Deuteranopia

17.0065, 0.4495, 0.4414



Tritanopia

17.1606, 0.3215, 0.3121

Trichromacy



Original Color

17.2311, 0.4048, 0.4813

Protanomaly

17.1924, 0.4164, 0.4743

Deuteranomaly

17.0947, 0.4326, 0.4556

Tritanomaly

16.9669, 0.3566, 0.3784

Monochromacy



Original Color

17.2311, 0.4048, 0.4813

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

15.9302, 0.3518, 0.3936

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2311, 0.4048, 0.4813 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(119, 119, 34)` looks like.

```
.text, #text, p{  
    color:rgb(119, 119, 34)  
}
```

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(119, 119, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 119, 34) }
```

Border

The CSS property to change the border of an element to Yxy 17.2311, 0.4048, 0.4813 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(119, 119, 34) }
```

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

```
.border{ border-color:rgb(119, 119, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 119, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 119, 34); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 119, 34); box-shadow:4px 4px 4px 4px rgb(119, 119, 34) }
```


Background

The CSS property to change the background color of an element to Yxy 17.2311, 0.4048, 0.4813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 119, 34) }
```

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

```
.background{ background-color: rgb(119,  
119, 34) }
```

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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