

Converting Colors

$Y_{xy}(17.0230, 0.4784, 0.4007)$

Have a look what the booklet for
Yxy(17.0230, 0.4784, 0.4007)
contains.

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Color

Yxy(17.0379, 0.4784, 0.4010)

Conversions

Conversions Part 1

Format	Color
Hex	A46331
RGB	164, 99, 49
RGB Percent	64%, 39%, 19%
CMY	0.3569, 0.6118, 0.8078
CMYK	0.00, 0.40, 0.70, 0.36
HSL	26°, 54%, 42%
HSV	26°, 70%, 64%
XYZ	20.3265, 17.0379, 5.1241
YIQ	112.7350, 54.7900, -1.7700

Conversions

Conversions Part 2

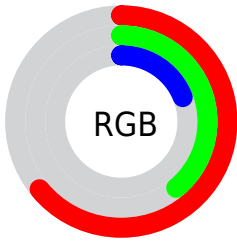
Format	Color
RYB	164, 137, 49
Decimal	10773297
CIELab	48.31, 21.82, 38.67
CIELCh	48, 44.398, 60.569
Yxy	17.0379, 0.4784, 0.4010
Android (android.graphics.Color)	4288963377 (0xFFA46331)
YUV	112.7350, -31.4214, 44.9594
Hunter-Lab	41.2770, 15.6661, 21.5336

Details

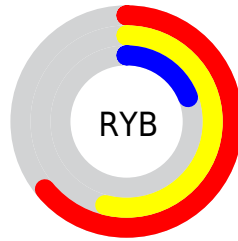
The Yxy color **17.0379, 0.4784, 0.4010** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **15.3704, 0.2097, 0.2304**, and the grayscale version is **16.5143, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.3637, 0.4426, 0.3903**, and **5.5840, 0.5364, 0.4105** is the 20% darker color. If you saturate the color by 10%, you get **15.2677, 0.5079, 0.4036**, and if you desaturate by 10%, it is **19.0620, 0.4483, 0.3944**.

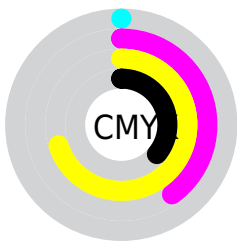
Distribution



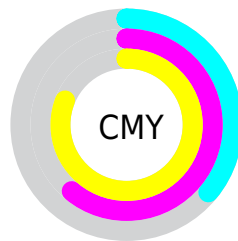
- Red (64%)
- Green (39%)
- Blue (19%)



- Red (64%)
- Yellow (54%)
- Blue (19%)



- Cyan (0%)
- Magenta (40%)
- Yellow (70%)
- Black (36%)




- Cyan (36%)
- Magenta (61%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.0379, 0.4784, 0.4010 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 17.0379, 0.4784, 0.4010 by changing the saturation by 10% instead.

 17.0379, 0.4784,
0.4010

 17.0379, 0.4784,
0.4010


235.3907, 0.3840,
0.3667


 10.2615, 0.5044,
0.4062


 38.3909, 0.4418,
0.3902


 5.5727, 0.5384,
0.4095

 53.7364, 0.4286,
0.3855


 2.5870, 0.5895,
0.4105

 72.7069, 0.4178,
0.3813

 0.9202, 0.6264,
0.3736

 95.6870, 0.4088,
0.3777

 0.0000, 1.0000,
0.0000

 123.0611, 0.4011,
0.3744

 0.0000, 0.0000,
0.0000

 155.2134, 0.3946,

0.3716

192.5285, 0.3889,
0.3690

■ 17.0379, 0.4784,
0.4010

■ 17.0379, 0.4784,
0.4010

■ 15.2677, 0.5079,
0.4036

■ 19.0620, 0.4483,
0.3944

■ 13.7360, 0.5349,
0.4013

■ 21.3486, 0.4194,
0.3851

■ 12.4373, 0.5583,
0.3949

■ 23.9092, 0.3926,
0.3742

■ 26.7535, 0.3686,
0.3626

■ 29.8909, 0.3474,
0.3510

■ 33.3301, 0.3289,
0.3397

■ 37.0794, 0.3129,
0.3291

■ 41.1470, 0.2990,
0.3192

■ 45.5405, 0.2871,
0.3101

Harmonies

Analogous

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



17.0379, 0.4747, 0.3389



17.0379, 0.4784, 0.4010



17.0379, 0.4338, 0.4586

Triad

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



17.0379, 0.4784, 0.4010



17.0379, 0.2113, 0.3753



17.0379, 0.2479, 0.2062

Complementary

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



17.0379, 0.4784, 0.4010



15.3704, 0.2097, 0.2304

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.



17.0379, 0.1931, 0.2022



17.0379, 0.4784, 0.4010



17.0379, 0.1736, 0.2851

Square

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



17.0379, 0.4784, 0.4010



17.0379, 0.2791, 0.4609



17.0379, 0.1684, 0.2265



17.0379, 0.3291, 0.2340

Rectangle

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



17.0379, 0.4784, 0.4010



17.0379, 0.3869, 0.4843



17.0379, 0.1684, 0.2265



17.0379, 0.2263, 0.2020

Sweetspot

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



17.0388, 0.4784, 0.4010



53.4970, 0.3500, 0.3524



11.3091, 0.4062, 0.2361



11.3643, 0.3553, 0.3555



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



17.0388, 0.4784, 0.4010



26.1413, 0.5231, 0.4030



32.0042, 0.4124, 0.4746



7.5689, 0.3275, 0.3388



9.6278, 0.5567, 0.3962



0.2956, 0.4967, 0.4438

Inverse Universe

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



15.3704, 0.2097, 0.2304



22.8117, 0.1941, 0.2047



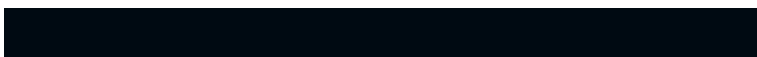
6.2281, 0.1829, 0.1210



7.4931, 0.2987, 0.3190



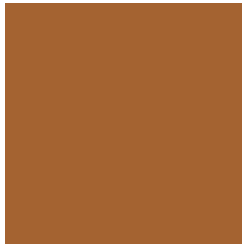
8.1138, 0.1842, 0.1830



0.2622, 0.2005, 0.2417

Previews

White Background



This preview shows how the Yxy color 17.0379, 0.4784, 0.4010 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 17.0379, 0.4784, 0.4010 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 17.0379, 0.4784, 0.4010

Background



This preview shows how black text looks on a background with the Yxy color 17.0379, 0.4784, 0.4010.



This preview shows how white text looks on a background with the Yxy color 17.0379, 0.4784, 0.4010.

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

17.0379, 0.4784, 0.4010

Protanopia

17.1170, 0.4048, 0.4414

Deuteranopia

16.9742, 0.4409, 0.4329



Tritanopia

16.9643, 0.4158, 0.3184

Trichromacy



Original Color

17.0379, 0.4784, 0.4010

Protanomaly

16.8479, 0.4320, 0.4263

Deuteranomaly

16.8877, 0.4559, 0.4201

Tritanomaly

16.8855, 0.4428, 0.3510

Monochromacy



Original Color

17.0379, 0.4784, 0.4010

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.3688, 0.3713, 0.3634

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.0379, 0.4784, 0.4010 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(164, 99, 49)` looks like.

```
.text, #text, p{  
    color:rgb(164, 99, 49)  
}
```

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(164, 99, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 99, 49) }
```

Border

The CSS property to change the border of an element to Yxy 17.0379, 0.4784, 0.4010 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(164, 99, 49) }
```

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

```
.border{ border-color:rgb(164, 99, 49) }
```

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

Here you see how a box with a 4 pixel rgb(164, 99, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 99, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 99, 49);  
box-shadow:4px 4px 4px 4px rgb(164, 99,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 17.0379, 0.4784, 0.4010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 99, 49) }
```

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

```
.background{ background-color: rgb(164, 99,  
49) }
```

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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