

Converting Colors

$Y_{xy}(17.6707, 0.4161, 0.4869)$

Have a look what the booklet for
Yxy(17.6707, 0.4161, 0.4869)
contains.

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Color

Yxy(17.7882, 0.4160, 0.4868)

Conversions

Conversions Part 1

Format	Color
Hex	7C7819
RGB	124, 120, 25
RGB Percent	49%, 47%, 10%
CMY	0.5138, 0.5294, 0.9020
CMYK	0.00, 0.03, 0.80, 0.51
HSL	58°, 66%, 29%
HSV	58°, 80%, 49%
XYZ	15.2011, 17.7882, 3.5518
YIQ	110.3660, 32.8790, -28.6970

Conversions

Conversions Part 2

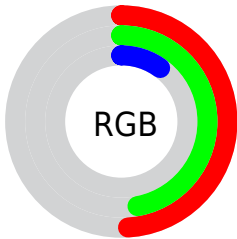
Format	Color
R_{YB}	29, 124, 25
Decimal	8157209
CIE Lab	49.24, -9.80, 48.58
CIE LCh	49, 49.554, 101.401
Yxy	17.7882, 0.4160, 0.4868
Android (android.graphics.Color)	4286347289 (0xFF7C7819)
YUV	110.3660, -42.0854, 11.9570
Hunter-Lab	42.1761, -9.4732, 24.5302

Details

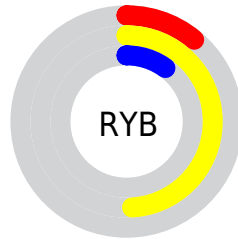
The Yxy color **17.7882, 0.4160, 0.4868** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.5380, 0.1700, 0.0964**, and the grayscale version is **15.8195, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.6388, 0.3973, 0.4536**, and **6.0124, 0.4193, 0.5053** is the 20% darker color. If you saturate the color by 10%, you get **17.6279, 0.4219, 0.4946**, and if you desaturate by 10%, it is **17.9746, 0.4077, 0.4750**.

Distribution



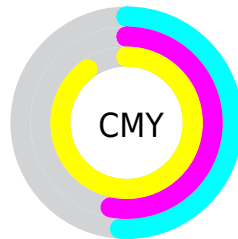
- Red (49%)
- Green (47%)
- Blue (10%)



- Red (11%)
- Yellow (49%)
- Blue (10%)



- Cyan (0%)
- Magenta (3%)
- Yellow (80%)
- Black (51%)





- Cyan (51%)
- Magenta (53%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.7882, 0.4160, 0.4868 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 17.7882, 0.4160, 0.4868 by changing the saturation by 10% instead.


 17.7882, 0.4160,
0.4868


 17.7882, 0.4160,
0.4868


239.6745, 0.3628,
0.3990


 10.7980, 0.4262,
0.5087


 39.6761, 0.3978,
0.4539


 5.9312, 0.4435,
0.5447

 55.3426, 0.3904,
0.4417


 2.8033, 0.4376,
0.5624

 74.6700, 0.3841,
0.4314

 1.0299, 0.4158,
0.5842


 98.0427, 0.3786,
0.4229


 0.0000, 0.0000,
0.0000

 125.8452, 0.3738,
0.4155

 158.4617, 0.3697,

0.4092


 196.2766, 0.3660,
0.4038


 17.7882, 0.4160,
0.4868


 17.7882, 0.4160,
0.4868


 17.6279, 0.4219,
0.4946


 17.9746, 0.4077,
0.4750


 17.4819, 0.4261,
0.4997

 18.1872, 0.3971,
0.4595

 17.4795, 0.4262,
0.4998

 18.4295, 0.3847,
0.4408

 18.7035, 0.3709,
0.4198

 19.0111, 0.3563,
0.3974

■ 19.3541, 0.3415,
0.3742

■ 19.7342, 0.3267,
0.3511

■ 20.1530, 0.3125,
0.3286

■ 20.6118, 0.2990,
0.3072

Harmonies

Analogous

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



17.7882, 0.4796, 0.4283



17.7882, 0.4160, 0.4868



17.7882, 0.3306, 0.5045

Triad

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



17.7882, 0.4160, 0.4868



17.7882, 0.1566, 0.2521



17.7882, 0.3661, 0.2424

Complementary

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



17.7882, 0.4160, 0.4868



2.5380, 0.1700, 0.0964

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.



17.7882, 0.2707, 0.2046



17.7882, 0.4160, 0.4868



17.7882, 0.1631, 0.2041

Square

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



17.7882, 0.4160, 0.4868



17.7882, 0.1832, 0.3405



17.7882, 0.2006, 0.1905



17.7882, 0.4561, 0.2975

Rectangle

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



17.7882, 0.4160, 0.4868



17.7882, 0.2722, 0.4741



17.7882, 0.2006, 0.1905



17.7882, 0.3329, 0.2274

Sweetspot

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



17.7890, 0.4160, 0.4868



33.7815, 0.3485, 0.3852



5.0717, 0.5663, 0.3231



7.9143, 0.3529, 0.3921



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.



17.7890, 0.4160, 0.4868



30.8248, 0.4250, 0.4982



16.1594, 0.3514, 0.5337



4.6078, 0.3256, 0.3493



17.7774, 0.4262, 0.4998



84.4925, 0.4266, 0.4995

Inverse Universe

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



2.5380, 0.1700, 0.0964



2.8800, 0.1530, 0.0666



3.4348, 0.2211, 0.1173



3.9169, 0.2994, 0.3078



1.5879, 0.1511, 0.0639



7.2761, 0.1505, 0.0617

Previews

White Background



This preview shows how the Yxy color 17.7882, 0.4160, 0.4868 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 17.7882, 0.4160, 0.4868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

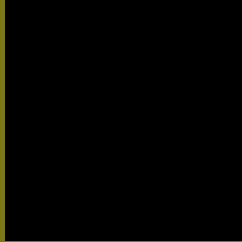
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.7882, 0.4160, 0.4868

Background



This preview shows how black text looks on a background with the Yxy color 17.7882, 0.4160, 0.4868.



This preview shows how white text looks on a background with the Yxy color 17.7882, 0.4160, 0.4868.

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

17.7882, 0.4160, 0.4868

Protanopia

17.6941, 0.4316, 0.4760

Deuteranopia

17.6657, 0.4567, 0.4494



Tritanopia

17.7941, 0.3267, 0.3125

Trichromacy



Original Color

17.7882, 0.4160, 0.4868

Protanomaly

17.6899, 0.4261, 0.4802

Deuteranomaly

17.6074, 0.4430, 0.4623

Tritanomaly

17.5225, 0.3670, 0.3848

Monochromacy



Original Color

17.7882, 0.4160, 0.4868

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

16.2440, 0.3579, 0.4010

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7882, 0.4160, 0.4868 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(124, 120, 25)` looks like.

```
.text, #text, p{  
    color:rgb(124, 120, 25)  
}
```

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(124, 120, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 120, 25) }
```

Border

The CSS property to change the border of an element to Yxy 17.7882, 0.4160, 0.4868 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(124, 120, 25) }
```

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

```
.border{ border-color:rgb(124, 120, 25) }
```

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

Here you see how a box with a 4 pixel rgb(124, 120, 25) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 120, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 120, 25);  
box-shadow:4px 4px 4px 4px rgb(124, 120,  
25) }
```


Background

The CSS property to change the background color of an element to Yxy 17.7882, 0.4160, 0.4868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 120, 25) }
```

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

```
.background{ background-color: rgb(124,  
120, 25) }
```

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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