

Converting Colors

$Y_{xy}(16.7660, 0.4230, 0.5024)$

Have a look what the booklet for
Yxy(16.7660, 0.4230, 0.5024)
contains.

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Color

Yxy(16.7156, 0.4236, 0.5019)

Conversions

Conversions Part 1

Format	Color
Hex	787500
RGB	120, 117, 0
RGB Percent	47%, 46%, 0%
CMY	0.5294, 0.5412, 1.0000
CMYK	0.00, 0.03, 1.00, 0.53
HSL	58°, 100%, 24%
HSV	58°, 100%, 47%
XYZ	14.1078, 16.7156, 2.4812
YIQ	104.5590, 39.3450, -35.7510

Conversions

Conversions Part 2

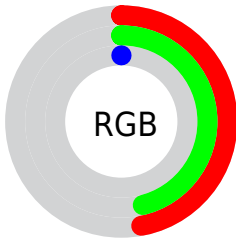
Format	Color
R_YB	3, 120, 0
Decimal	7894272
CIE Lab	47.90, -10.69, 53.47
CIE LCh	48, 54.529, 101.311
Yxy	16.7156, 0.4236, 0.5019
Android (android.graphics.Color)	4286084352 (0xFF787500)
YUV	104.5590, -51.5476, 13.5418
Hunter-Lab	40.8847, -9.9543, 25.0211

Details

The Yxy color **16.7156, 0.4236, 0.5019** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.4217, 0.1507, 0.0626**, and the grayscale version is **14.1358, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9649, 0.4060, 0.4673**, and **5.4495, 0.4148, 0.5088** is the 20% darker color. If you saturate the color by 10%, you get **16.7165, 0.4236, 0.5019**, and if you desaturate by 10%, it is **16.8133, 0.4196, 0.4964**.

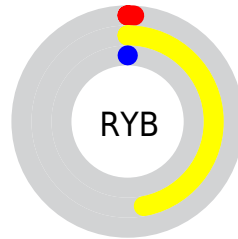
Distribution



Red (47%)

Green (46%)

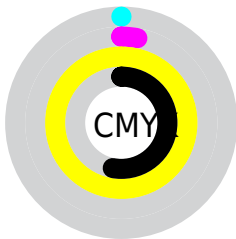
Blue (0%)



Red (1%)

Yellow (47%)

Blue (0%)

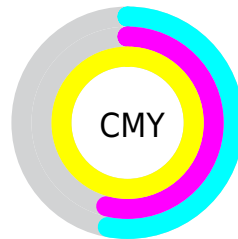


Cyan (0%)

Magenta (3%)

Yellow (100%)

Black (53%)



Cyan (53%)


Magenta (54%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7156, 0.4236, 0.5019 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 16.7156, 0.4236, 0.5019 by changing the saturation by 10% instead.


 16.7156, 0.4236,
0.5019


 16.7156, 0.4236,
0.5019


233.5281, 0.3680,
0.4066


 10.0319, 0.4325,
0.5241


 37.8361, 0.4056,
0.4670

 5.4201, 0.4439,
0.5561

 53.0418, 0.3979,
0.4537


 2.4958, 0.4307,
0.5693

 71.8569, 0.3912,
0.4425

 0.8745, 0.3946,
0.6054


 94.6659, 0.3853,
0.4330


 0.0000, 0.0000,
0.0000


 121.8531, 0.3801,
0.4249


 153.8029, 0.3756,


0.4180


 190.8998, 0.3716,
0.4119


 16.7156, 0.4236,
0.5019


 16.7156, 0.4236,
0.5019

 16.7165, 0.4236,
0.5019

 16.8133, 0.4196,
0.4964

 16.9232, 0.4141,
0.4885

 17.0553, 0.4061,
0.4766

 17.2123, 0.3960,
0.4610

 17.3963, 0.3839,
0.4423

■ 17.6094, 0.3705,
0.4211

■ 17.8532, 0.3562,
0.3985

■ 18.1295, 0.3415,
0.3751

■ 18.4398, 0.3269,
0.3518

Harmonies

Analogous

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



16.7156, 0.4956, 0.4336



16.7156, 0.4236, 0.5019



16.7156, 0.3296, 0.5279

Triad

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



16.7156, 0.4236, 0.5019



16.7156, 0.1420, 0.2422



16.7156, 0.3715, 0.2334

Complementary

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



16.7156, 0.4236, 0.5019



1.4217, 0.1507, 0.0626

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.



16.7156, 0.2650, 0.1929



16.7156, 0.4236, 0.5019



16.7156, 0.1493, 0.1912

Square

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



16.7156, 0.4236, 0.5019



16.7156, 0.1695, 0.3407



16.7156, 0.1891, 0.1775



16.7156, 0.4732, 0.2924

Rectangle

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



16.7156, 0.4236, 0.5019



16.7156, 0.2656, 0.4953



16.7156, 0.1891, 0.1775



16.7156, 0.3340, 0.2174

Sweetspot

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



16.7165, 0.4236, 0.5019



31.3615, 0.3572, 0.4002



4.0026, 0.6342, 0.3268



7.3965, 0.3622, 0.4080



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.



16.7165, 0.4236, 0.5019



29.3658, 0.4237, 0.5018



14.5256, 0.3437, 0.5653



4.6175, 0.3256, 0.3496



18.2302, 0.4236, 0.5019



86.7633, 0.4238, 0.5017

Inverse Universe

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



1.4217, 0.1507, 0.0626



2.4698, 0.1505, 0.0619



2.1972, 0.1997, 0.0874



3.9082, 0.2994, 0.3075



1.5474, 0.1507, 0.0625



7.1943, 0.1503, 0.0611

Previews

White Background



This preview shows how the Yxy color 16.7156, 0.4236, 0.5019 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 16.7156, 0.4236, 0.5019 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

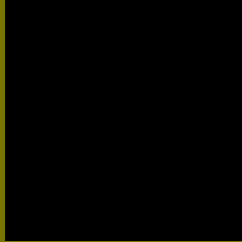
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.7156, 0.4236, 0.5019

Background



This preview shows how black text looks on a background with the Yxy color 16.7156, 0.4236, 0.5019.



This preview shows how white text looks on a background with the Yxy color 16.7156, 0.4236, 0.5019.

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

16.7156, 0.4236, 0.5019

Protanopia

16.6238, 0.4393, 0.4894

Deuteranopia

16.6949, 0.4646, 0.4572



Tritanopia

16.8108, 0.3284, 0.3140

Trichromacy



Original Color

16.7156, 0.4236, 0.5019

Protanomaly

16.6214, 0.4335, 0.4940

Deuteranomaly

16.5439, 0.4501, 0.4732

Tritanomaly

16.4427, 0.3799, 0.4033

Monochromacy



Original Color

16.7156, 0.4236, 0.5019

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

14.6575, 0.3686, 0.4184

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7156, 0.4236, 0.5019 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(120, 117, 0)` looks like.

```
.text, #text, p{  
    color:rgb(120, 117, 0)  
}
```

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(120, 117, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 117, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.7156, 0.4236, 0.5019 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(120, 117, 0) }
```

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

```
.border{ border-color:rgb(120, 117, 0) }
```

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

Here you see how a box with a 4 pixel rgb(120, 117, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 117, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 117, 0);  
box-shadow:4px 4px 4px 4px rgb(120, 117,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7156, 0.4236, 0.5019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 117, 0) }
```

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

```
.background{ background-color: rgb(120,  
117, 0) }
```

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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