

Converting Colors

$Y_{xy}(16.2205, 0.3739, 0.4787)$

Have a look what the booklet for
Yxy(16.2205, 0.3739, 0.4787)
contains.

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Color

Yxy(16.2667, 0.3737, 0.4800)

Conversions

Conversions Part 1

Format	Color
Hex	67772D
RGB	103, 119, 45
RGB Percent	40%, 47%, 18%
CMY	0.5961, 0.5333, 0.8234
CMYK	0.13, 0.00, 0.62, 0.53
HSL	73°, 45%, 32%
HSV	73°, 62%, 47%
XYZ	12.6643, 16.2667, 4.9580
YIQ	105.7800, 14.2180, -26.4060

Conversions

Conversions Part 2

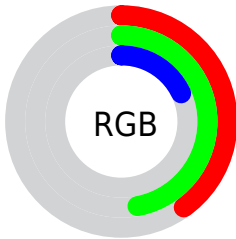
Format	Color
R_{YB}	45, 119, 61
Decimal	6780717
CIE _{Lab}	47.32, -17.56, 37.76
CIE _{LCh}	47, 41.643, 114.945
Yxy	16.2667, 0.3737, 0.4800
Android (android.graphics.Color)	4284970797 (0xFF67772D)
YUV	105.7800, -29.9645, -2.4381
Hunter-Lab	40.3320, -14.5317, 20.9440

Details

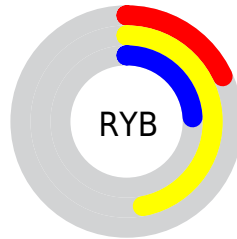
The Yxy color **16.2667, 0.3737, 0.4800** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.2045, 0.2186, 0.1484**, and the grayscale version is **14.4314, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0019, 0.3631, 0.4435**, and **5.2634, 0.3796, 0.5368** is the 20% darker color. If you saturate the color by 10%, you get **16.0383, 0.3791, 0.4994**, and if you desaturate by 10%, it is **16.5271, 0.3663, 0.4577**.

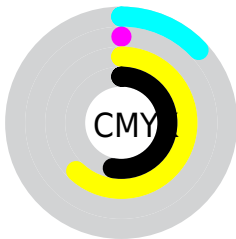
Distribution



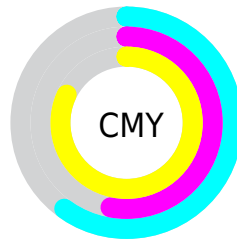
- Red (40%)
- Green (47%)
- Blue (18%)



- Red (18%)
- Yellow (47%)
- Blue (24%)



- Cyan (13%)
- Magenta (0%)
- Yellow (62%)
- Black (53%)





- Cyan (60%)
- Magenta (53%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2667, 0.3737, 0.4800 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 16.2667, 0.3737, 0.4800 by changing the saturation by 10% instead.


 16.2667, 0.3737,
0.4800


 16.2667, 0.3737,
0.4800


 230.9104, 0.3421,
0.3903


 9.7131, 0.3798,
0.5072


 37.0606, 0.3628,
0.4437


 5.2091, 0.3857,
0.5458

 52.0696, 0.3584,
0.4311


 2.3705, 0.3912,
0.6088

 70.6660, 0.3547,
0.4210

 0.8106, 0.2966,
0.7034

 93.2339, 0.3514,
0.4127

 0.0000, 0.0000,
0.0000

 120.1580, 0.3486,
0.4057

 151.8225, 0.3462,

0.3998

188.6118, 0.3440,
0.3947

■ 16.2667, 0.3737,
0.4800

■ 16.2667, 0.3737,
0.4800

■ 16.0383, 0.3791,
0.4994

■ 16.5271, 0.3663,
0.4577

■ 15.8375, 0.3823,
0.5150

■ 16.8193, 0.3574,
0.4334

■ 15.6623, 0.3831,
0.5265

■ 17.1459, 0.3474,
0.4081

■ 15.5347, 0.3829,
0.5341

■ 17.5086, 0.3367,
0.3827

■ 17.9089, 0.3258,
0.3578

■ 18.3483, 0.3150,
0.3340

■ 18.8281, 0.3045,
0.3116

■ 19.3497, 0.2945,
0.2907

■ 19.9144, 0.2851,
0.2716

Harmonies

Analogous

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



16.2667, 0.4399, 0.4447



16.2667, 0.3737, 0.4800



16.2667, 0.2955, 0.4639

Triad

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



16.2667, 0.3737, 0.4800



16.2667, 0.1726, 0.2391



16.2667, 0.3975, 0.2736

Complementary

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



16.2667, 0.3737, 0.4800



4.2045, 0.2186, 0.1484

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.



16.2667, 0.3128, 0.2312



16.2667, 0.3737, 0.4800



16.2667, 0.1912, 0.2095

Square

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



16.2667, 0.3737, 0.4800



16.2667, 0.1836, 0.3020



16.2667, 0.2387, 0.2083



16.2667, 0.4604, 0.3284

Rectangle

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



16.2667, 0.3737, 0.4800



16.2667, 0.2470, 0.4192



16.2667, 0.2387, 0.2083



16.2667, 0.3699, 0.2577

Sweetspot

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



16.2674, 0.3737, 0.4800



31.5366, 0.3338, 0.3759



7.3254, 0.4749, 0.3590



7.4352, 0.3364, 0.3819



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.



16.2674, 0.3737, 0.4800



28.5421, 0.3809, 0.5073



14.5852, 0.3265, 0.5066



4.2282, 0.3224, 0.3502



16.4998, 0.3828, 0.5342



80.0220, 0.3808, 0.5358

Inverse Universe

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



4.2045, 0.2186, 0.1484



4.9231, 0.1937, 0.1083



5.7422, 0.2782, 0.1740



3.6246, 0.3025, 0.3073



1.6411, 0.1638, 0.0676



7.6821, 0.1600, 0.0655

Previews

White Background



This preview shows how the Yxy color 16.2667, 0.3737, 0.4800 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 16.2667, 0.3737, 0.4800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

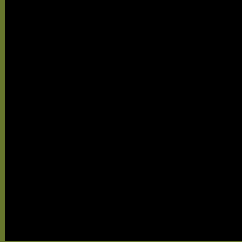
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.2667, 0.3737, 0.4800

Background



This preview shows how black text looks on a background with the Yxy color 16.2667, 0.3737, 0.4800.



This preview shows how white text looks on a background with the Yxy color 16.2667, 0.3737, 0.4800.

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

16.2667, 0.3737, 0.4800

Protanopia

16.1227, 0.4145, 0.4550

Deuteranopia

16.2261, 0.4348, 0.4286



Tritanopia

16.1045, 0.3018, 0.3110

Trichromacy



Original Color

16.2667, 0.3737, 0.4800

Protanomaly

16.2252, 0.3986, 0.4645

Deuteranomaly

16.0179, 0.4123, 0.4456

Tritanomaly

16.0131, 0.3306, 0.3734

Monochromacy



Original Color

16.2667, 0.3737, 0.4800

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

15.0122, 0.3386, 0.3877

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2667, 0.3737, 0.4800 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(103, 119, 45)` looks like.

```
.text, #text, p{  
    color:rgb(103, 119, 45)  
}
```

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(103, 119, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 119, 45) }
```

Border

The CSS property to change the border of an element to Yxy 16.2667, 0.3737, 0.4800 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(103, 119, 45) }
```

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

```
.border{ border-color:rgb(103, 119, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 119, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 119, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 119, 45);  
box-shadow:4px 4px 4px 4px rgb(103, 119,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2667, 0.3737, 0.4800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 119, 45) }
```

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

```
.background{ background-color: rgb(103,  
119, 45) }
```

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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