

Converting Colors

$Y_{xy}(17.1225, 0.3883, 0.4642)$

Have a look what the booklet for
Yxy(17.1225, 0.3883, 0.4642)
contains.

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Color

Yxy(17.1284, 0.3886, 0.4637)

Conversions

Conversions Part 1

Format	Color
Hex	747731
RGB	116, 119, 49
RGB Percent	45%, 47%, 19%
CMY	0.5451, 0.5333, 0.8078
CMYK	0.03, 0.00, 0.59, 0.53
HSL	63°, 42%, 33%
HSV	63°, 59%, 47%
XYZ	14.3543, 17.1284, 5.4558
YIQ	110.1230, 20.6820, -22.4060

Conversions

Conversions Part 2

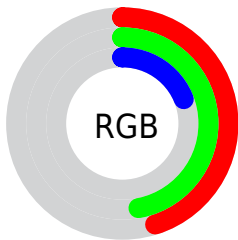
Format	Color
R_{YB}	49, 119, 52
Decimal	7632689
CIE _{Lab}	48.42, -11.41, 37.34
CIE _{LCh}	48, 39.043, 106.994
Y _{xy}	17.1284, 0.3886, 0.4637
Android (android.graphics.Color)	4285822769 (0xFF747731)
YUV	110.1230, -30.1336, 5.1541
Hunter-Lab	41.3865, -10.5161, 21.1546

Details

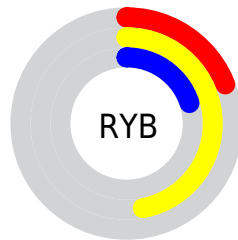
The Yxy color **17.1284, 0.3886, 0.4637** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **4.2593, 0.2082, 0.1517**, and the grayscale version is **15.7146, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.5537, 0.3741, 0.4325**, and **5.6303, 0.4061, 0.5158** is the 20% darker color. If you saturate the color by 10%, you get **17.0068, 0.3977, 0.4808**, and if you desaturate by 10%, it is **17.2783, 0.3776, 0.4436**.

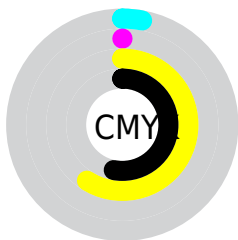
Distribution



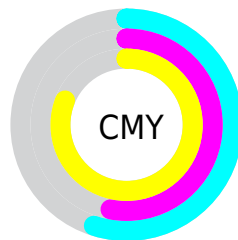
- Red (45%)
- Green (47%)
- Blue (19%)



- Red (19%)
- Yellow (47%)
- Blue (20%)



- Cyan (3%)
- Magenta (0%)
- Yellow (59%)
- Black (53%)



- Cyan (55%)
- Magenta (53%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.1284, 0.3886, 0.4637 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 17.1284, 0.3886, 0.4637 by changing the saturation by 10% instead.


 17.1284, 0.3886,
0.4637


 17.1284, 0.3886,
0.4637


235.9112, 0.3478,
0.3854


 10.3261, 0.3980,
0.4864


 38.5464, 0.3737,
0.4327

 5.6157, 0.4084,
0.5166

 53.9309, 0.3681,
0.4217


 2.6128, 0.4278,
0.5722

 72.9449, 0.3633,
0.4129

 0.9331, 0.3943,
0.6057

 95.9728, 0.3593,
0.4055

 0.0000, 0.0000,
0.0000

 123.3989, 0.3558,
0.3993

 155.6078, 0.3528,

0.3940

192.9838, 0.3501,
0.3894

■ 17.1284, 0.3886,
0.4637

■ 17.1284, 0.3886,
0.4637

■ 17.0068, 0.3977,
0.4808

■ 17.2783, 0.3776,
0.4436

■ 16.9090, 0.4046,
0.4942

■ 17.4561, 0.3653,
0.4213

■ 16.8334, 0.4091,
0.5036

■ 17.6642, 0.3520,
0.3977

■ 16.7724, 0.4118,
0.5102

■ 17.9043, 0.3383,
0.3735

■ 16.7652, 0.4122,
0.5109

■ 18.1779, 0.3245,
0.3495

■ 18.4863, 0.3112,
0.3263

■ 18.8308, 0.2984,
0.3042

■ 19.2128, 0.2863,
0.2835

■ 19.6333, 0.2751,
0.2643

Harmonies

Analogous

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



17.1284, 0.4435, 0.4250



17.1284, 0.3886, 0.4637



17.1284, 0.3171, 0.4619

Triad

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



17.1284, 0.3886, 0.4637



17.1284, 0.1817, 0.2587



17.1284, 0.3710, 0.2656

Complementary

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



17.1284, 0.3886, 0.4637



4.2593, 0.2082, 0.1517

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.



17.1284, 0.2931, 0.2299



17.1284, 0.3886, 0.4637



17.1284, 0.1919, 0.2223

Square

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



17.1284, 0.3886, 0.4637



17.1284, 0.2003, 0.3251



17.1284, 0.2297, 0.2141



17.1284, 0.4372, 0.3150

Rectangle

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



17.1284, 0.3886, 0.4637



17.1284, 0.2696, 0.4299



17.1284, 0.2297, 0.2141



17.1284, 0.3448, 0.2518

Sweetspot

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



17.1292, 0.3886, 0.4637



32.0775, 0.3378, 0.3727



6.5413, 0.4781, 0.3341



7.5759, 0.3411, 0.3785



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.



17.1292, 0.3886, 0.4637



30.3789, 0.4007, 0.4866



15.1949, 0.3412, 0.4889



4.2587, 0.3248, 0.3500



17.8106, 0.4121, 0.5110



86.6953, 0.4117, 0.5113

Inverse Universe

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



4.2593, 0.2082, 0.1517



4.9442, 0.1828, 0.1100



5.5236, 0.2601, 0.1731



3.5967, 0.3001, 0.3072



1.4489, 0.1521, 0.0612



6.9649, 0.1509, 0.0605

Previews

White Background



This preview shows how the Yxy color 17.1284, 0.3886, 0.4637 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 17.1284, 0.3886, 0.4637 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

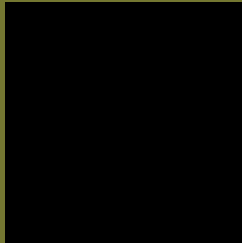
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.1284, 0.3886, 0.4637

Background



This preview shows how black text looks on a background with the Yxy color 17.1284, 0.3886, 0.4637.



This preview shows how white text looks on a background with the Yxy color 17.1284, 0.3886, 0.4637.

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

17.1284, 0.3886, 0.4637

Protanopia

17.0641, 0.4107, 0.4502

Deuteranopia

16.9360, 0.4334, 0.4256



Tritanopia

17.1554, 0.3174, 0.3138

Trichromacy



Original Color

17.1284, 0.3886, 0.4637

Protanomaly

16.9893, 0.4039, 0.4547

Deuteranomaly

17.0358, 0.4171, 0.4393

Tritanomaly

17.0627, 0.3455, 0.3709

Monochromacy



Original Color

17.1284, 0.3886, 0.4637

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.9596, 0.3427, 0.3812

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1284, 0.3886, 0.4637 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(116, 119, 49)` looks like.

```
.text, #text, p{  
    color:rgb(116, 119, 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(116, 119, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 119, 49) }
```

Border

The CSS property to change the border of an element to Yxy 17.1284, 0.3886, 0.4637 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(116, 119, 49) }
```

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

```
.border{ border-color:rgb(116, 119, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 119, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 119, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 119, 49);  
box-shadow:4px 4px 4px 4px rgb(116, 119,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 17.1284, 0.3886, 0.4637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 119, 49) }
```

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

```
.background{ background-color: rgb(116,  
119, 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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