

Converting Colors

$Y_{xy}(16.7259, 0.4373, 0.4833)$

Have a look what the booklet for
Yxy(16.7259, 0.4373, 0.4833)
contains.

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Color

Yxy(16.7259, 0.4373, 0.4833)

Conversions

Conversions Part 1

Format	Color
Hex	81720B
RGB	129, 114, 11
RGB Percent	51%, 45%, 4%
CMY	0.4940, 0.5530, 0.9568
CMYK	0.00, 0.12, 0.91, 0.49
HSL	52°, 84%, 27%
HSV	52°, 91%, 51%
XYZ	15.1339, 16.7259, 2.7479
YIQ	106.7430, 42.0030, -28.8530

Conversions

Conversions Part 2

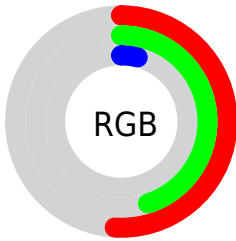
Format	Color
R_{YB}	28, 129, 11
Decimal	8483339
CIE _{Lab}	47.91, -4.48, 51.53
CIE _{LCh}	48, 51.725, 94.972
Yxy	16.7259, 0.4373, 0.4833
Android (android.graphics.Color)	4286673419 (0xFF81720B)
YUV	106.7430, -47.2013, 19.5194
Hunter-Lab	40.8973, -5.5168, 24.6445

Details

The Yxy color **16.7259, 0.4373, 0.4833** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.3981, 0.1605, 0.0860**, and the grayscale version is **14.7543, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0041, 0.4146, 0.4542**, and **5.4329, 0.4420, 0.4872** is the 20% darker color. If you saturate the color by 10%, you get **16.3882, 0.4429, 0.4866**, and if you desaturate by 10%, it is **17.1422, 0.4294, 0.4772**.

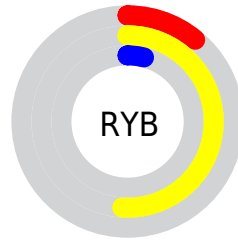
Distribution



Red (51%)

Green (45%)

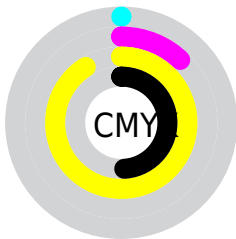
Blue (4%)



Red (11%)

Yellow (51%)

Blue (4%)

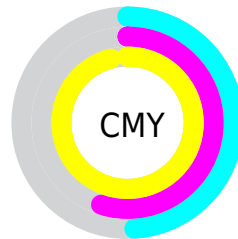


Cyan (0%)

Magenta (12%)

Yellow (91%)

Black (49%)



Cyan (49%)


Magenta (55%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7259, 0.4373, 0.4833 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 16.7259, 0.4373, 0.4833 by changing the saturation by 10% instead.


 16.7259, 0.4373,
0.4833


 16.7259, 0.4373,
0.4833


 233.5878, 0.3724,
0.3998


 10.0393, 0.4499,
0.5018


 37.8539, 0.4150,
0.4533


 5.4250, 0.4694,
0.5306

 53.0640, 0.4060,
0.4416


 2.4987, 0.4640,
0.5360

 71.8841, 0.3982,
0.4318

 0.8760, 0.4522,
0.5478


 94.6986, 0.3915,
0.4234


 0.0000, 0.0000,
0.0000


 121.8918, 0.3857,
0.4162


 153.8481, 0.3807,


0.4100


 190.9520, 0.3763,
0.4046


 16.7259, 0.4373,
0.4833

 16.7259, 0.4373,
0.4833


 16.3882, 0.4429,
0.4866

 17.1422, 0.4294,
0.4772

 17.5899, 0.4189,
0.4669

 18.0728, 0.4063,
0.4529

 18.5940, 0.3920,
0.4357

 19.1556, 0.3766,
0.4162

■ 19.7600, 0.3607,
0.3954

■ 20.4092, 0.3448,
0.3740

■ 21.1050, 0.3294,
0.3526

■ 21.8493, 0.3148,
0.3319

Harmonies

Analogous

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



16.7259, 0.4977, 0.4163



16.7259, 0.4373, 0.4833



16.7259, 0.3501, 0.5184

Triad

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



16.7259, 0.4373, 0.4833



16.7259, 0.1515, 0.2631



16.7259, 0.3463, 0.2274

Complementary

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



16.7259, 0.4373, 0.4833



2.3981, 0.1605, 0.0860

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.



16.7259, 0.2492, 0.1930



16.7259, 0.4373, 0.4833



16.7259, 0.1515, 0.2043

Square

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



16.7259, 0.4373, 0.4833



16.7259, 0.1865, 0.3653



16.7259, 0.1834, 0.1838



16.7259, 0.4477, 0.2816

Rectangle

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



16.7259, 0.4373, 0.4833



16.7259, 0.2879, 0.4999



16.7259, 0.1834, 0.1838



16.7259, 0.3114, 0.2134

Sweetspot

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



16.7267, 0.4373, 0.4833



35.8057, 0.3546, 0.3872



4.9870, 0.5913, 0.3146



8.0327, 0.3590, 0.3931



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



16.7267, 0.4373, 0.4833



29.1825, 0.4435, 0.4861



17.6983, 0.3604, 0.5438



4.9289, 0.3259, 0.3477



15.9761, 0.4428, 0.4866



0.0000, 0.0000, 0.0000

Inverse Universe

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



2.3981, 0.1605, 0.0860



3.3909, 0.1529, 0.0703



2.6178, 0.1923, 0.0896



4.2933, 0.2993, 0.3096



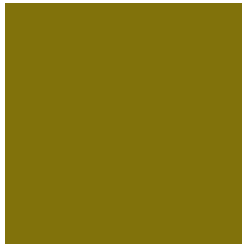
1.9231, 0.1536, 0.0729



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.7259, 0.4373, 0.4833 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 16.7259, 0.4373, 0.4833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

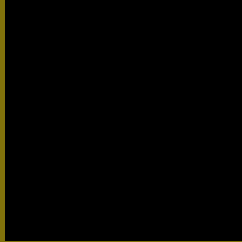
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.7259, 0.4373, 0.4833

Background



This preview shows how black text looks on a background with the Yxy color 16.7259, 0.4373, 0.4833.



This preview shows how white text looks on a background with the Yxy color 16.7259, 0.4373, 0.4833.

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

16.7259, 0.4373, 0.4833

Protanopia

16.6480, 0.4359, 0.4844

Deuteranopia

16.6949, 0.4646, 0.4572



Tritanopia

16.7572, 0.3442, 0.3145

Trichromacy



Original Color

16.7259, 0.4373, 0.4833

Protanomaly

16.6480, 0.4359, 0.4844

Deuteranomaly

16.6753, 0.4556, 0.4658

Tritanomaly

16.4596, 0.3899, 0.3894

Monochromacy



Original Color

16.7259, 0.4373, 0.4833

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

15.2646, 0.3691, 0.4078

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7259, 0.4373, 0.4833 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(129, 114, 11)` looks like.

```
.text, #text, p{  
    color:rgb(129, 114, 11)  
}
```

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(129, 114, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 114, 11) }
```

Border

The CSS property to change the border of an element to Yxy 16.7259, 0.4373, 0.4833 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(129, 114, 11) }
```

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

```
.border{ border-color:rgb(129, 114, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 114, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 114, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 114, 11);  
box-shadow:4px 4px 4px 4px rgb(129, 114,  
11) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7259, 0.4373, 0.4833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 114, 11) }
```

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

```
.background{ background-color: rgb(129,  
114, 11) }
```

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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