

Converting Colors

$Y_{xy}(16.3999, 0.4174, 0.4596)$

Have a look what the booklet for
Yxy(16.3999, 0.4174, 0.4596)
contains.

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Color

Yxy(16.3991, 0.4174, 0.4596)

Conversions

Conversions Part 1

Format	Color
Hex	7E7128
RGB	126, 113, 40
RGB Percent	49%, 44%, 16%
CMY	0.5059, 0.5569, 0.8431
CMYK	0.00, 0.10, 0.68, 0.51
HSL	51°, 52%, 33%
HSV	51°, 68%, 49%
XYZ	14.8934, 16.3991, 4.3888
YIQ	108.5650, 31.1810, -19.9470

Conversions

Conversions Part 2

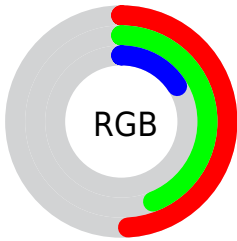
Format	Color
RYB	55, 126, 40
Decimal	8286504
CIELab	47.49, -4.12, 40.90
CIELCh	47, 41.105, 95.753
Yxy	16.3991, 0.4174, 0.4596
Android (android.graphics.Color)	4286476584 (0xFF7E7128)
YUV	108.5650, -33.8025, 15.2905
Hunter-Lab	40.4958, -5.2198, 21.9214

Details

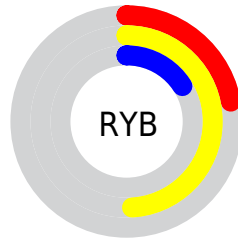
The Yxy color **16.3991, 0.4174, 0.4596** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.5059, 0.1926, 0.1467**, and the grayscale version is **15.2551, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.4553, 0.3960, 0.4323**, and **5.2364, 0.4401, 0.4888** is the 20% darker color. If you saturate the color by 10%, you get **15.9068, 0.4294, 0.4709**, and if you desaturate by 10%, it is **16.9299, 0.4035, 0.4447**.

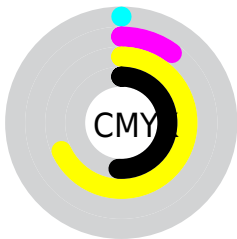
Distribution



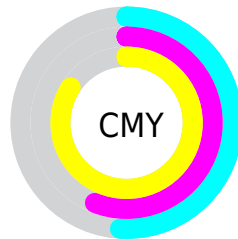
- Red (49%)
- Green (44%)
- Blue (16%)



- Red (22%)
- Yellow (49%)
- Blue (16%)



- Cyan (0%)
- Magenta (10%)
- Yellow (68%)
- Black (51%)





- Cyan (51%)
- Magenta (56%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3991, 0.4174, 0.4596 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 16.3991, 0.4174, 0.4596 by changing the saturation by 10% instead.


 16.3991, 0.4174,
0.4596

 16.3991, 0.4174,
0.4596


231.6853, 0.3600,
0.3860


 9.8070, 0.4312,
0.4789


 37.2897, 0.3962,
0.4315

 5.2712, 0.4501,
0.5062

 52.3570, 0.3882,
0.4212


 2.4072, 0.4656,
0.5344

 71.0181, 0.3815,
0.4127

 0.8296, 0.4533,
0.5467

 93.6575, 0.3758,
0.4056

 0.0000, 0.0000,
0.0000

 120.6595, 0.3710,
0.3996

 152.4085, 0.3669,

0.3944

189.2890, 0.3632,
0.3899

■ 16.3991, 0.4174,
0.4596

■ 16.3991, 0.4174,
0.4596

■ 15.9068, 0.4294,
0.4709

■ 16.9299, 0.4035,
0.4447

■ 15.4477, 0.4389,
0.4782

■ 17.4993, 0.3881,
0.4270

■ 15.0155, 0.4464,
0.4821

■ 18.1103, 0.3721,
0.4075

■ 14.9409, 0.4477,
0.4827

■ 18.7651, 0.3559,
0.3869

■ 19.4654, 0.3399,
0.3660

■ 20.2131, 0.3247,
0.3454

■ 21.0098, 0.3103,
0.3256

■ 21.8570, 0.2969,
0.3068

■ 22.7562, 0.2846,
0.2892

Harmonies

Analogous

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



16.3991, 0.4648, 0.4086



16.3991, 0.4174, 0.4596



16.3991, 0.3457, 0.4790

Triad

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



16.3991, 0.4174, 0.4596



16.3991, 0.1779, 0.2764



16.3991, 0.3431, 0.2456

Complementary

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



16.3991, 0.4174, 0.4596



4.5059, 0.1926, 0.1467

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.



16.3991, 0.2636, 0.2154



16.3991, 0.4174, 0.4596



16.3991, 0.1777, 0.2263

Square

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



16.3991, 0.4174, 0.4596



16.3991, 0.2088, 0.3570



16.3991, 0.2064, 0.2076



16.3991, 0.4228, 0.2929

Rectangle

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



16.3991, 0.4174, 0.4596



16.3991, 0.2939, 0.4602



16.3991, 0.2064, 0.2076



16.3991, 0.3151, 0.2333

Sweetspot

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



16.3999, 0.4174, 0.4596



33.9780, 0.3434, 0.3706



6.2242, 0.4905, 0.3041



7.6638, 0.3471, 0.3754



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.



16.3999, 0.4174, 0.4596



27.5307, 0.4351, 0.4756



17.6372, 0.3641, 0.5013



4.9121, 0.3259, 0.3472



15.3211, 0.4478, 0.4827



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.5059, 0.1926, 0.1467



5.1669, 0.1697, 0.1060



4.2785, 0.2213, 0.1361



4.3087, 0.2993, 0.3102



2.0208, 0.1545, 0.0761



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.3991, 0.4174, 0.4596 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 16.3991, 0.4174, 0.4596 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

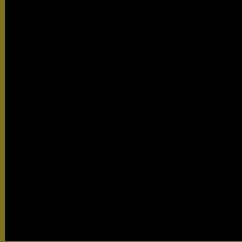
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.3991, 0.4174, 0.4596

Background



This preview shows how black text looks on a background with the Yxy color 16.3991, 0.4174, 0.4596.



This preview shows how white text looks on a background with the Yxy color 16.3991, 0.4174, 0.4596.

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

16.3991, 0.4174, 0.4596

Protanopia

16.3991, 0.4174, 0.4596

Deuteranopia

16.3453, 0.4446, 0.4362



Tritanopia

16.4285, 0.3386, 0.3142

Trichromacy



Original Color

16.3991, 0.4174, 0.4596

Protanomaly

16.3991, 0.4174, 0.4596

Deuteranomaly

16.3316, 0.4359, 0.4443

Tritanomaly

16.3712, 0.3719, 0.3714

Monochromacy



Original Color

16.3991, 0.4174, 0.4596

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

15.4368, 0.3535, 0.3831

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3991, 0.4174, 0.4596 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(126, 113, 40)` looks like.

```
.text, #text, p{  
    color:rgb(126, 113, 40)  
}
```

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(126, 113, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 113, 40) }
```

Border

The CSS property to change the border of an element to Yxy 16.3991, 0.4174, 0.4596 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(126, 113, 40) }
```

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

```
.border{ border-color:rgb(126, 113, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 113, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 113, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 113, 40);  
box-shadow:4px 4px 4px 4px rgb(126, 113,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3991, 0.4174, 0.4596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 113, 40) }
```

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

```
.background{ background-color: rgb(126,  
113, 40) }
```

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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