

Converting Colors

$Y_{xy}(15.9099, 0.4129, 0.4644)$

Have a look what the booklet for
Yxy(15.9099, 0.4129, 0.4644)
contains.

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Color

Yxy(15.7998, 0.4122, 0.4637)

Conversions

Conversions Part 1

Format	Color
Hex	797027
RGB	121, 112, 39
RGB Percent	47%, 44%, 15%
CMY	0.5255, 0.5608, 0.8471
CMYK	0.00, 0.07, 0.68, 0.53
HSL	53°, 51%, 31%
HSV	53°, 68%, 47%
XYZ	14.0450, 15.7998, 4.2285
YIQ	106.3690, 28.7970, -20.7950

Conversions

Conversions Part 2

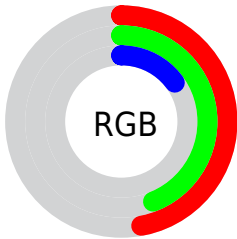
Format	Color
R_{YB}	49, 121, 39
Decimal	7958567
CIE _{Lab}	46.71, -5.96, 40.39
CIE _{LCh}	47, 40.831, 98.399
Yxy	15.7998, 0.4122, 0.4637
Android (android.graphics.Color)	4286148647 (0xFF797027)
YUV	106.3690, -33.2129, 12.8314
Hunter-Lab	39.7490, -6.4889, 21.5170

Details

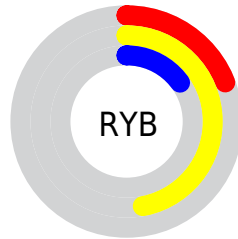
The Yxy color **15.7998, 0.4122, 0.4637** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.9246, 0.1920, 0.1410**, and the grayscale version is **14.6071, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.1291, 0.3930, 0.4334**, and **5.0827, 0.4310, 0.4960** is the 20% darker color. If you saturate the color by 10%, you get **15.4421, 0.4230, 0.4757**, and if you desaturate by 10%, it is **16.1889, 0.3994, 0.4482**.

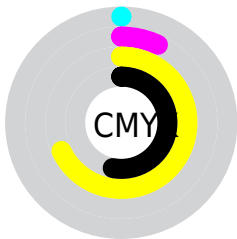
Distribution



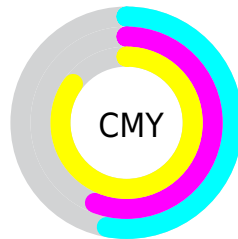
- Red (47%)
- Green (44%)
- Blue (15%)



- Red (19%)
- Yellow (47%)
- Blue (15%)



- Cyan (0%)
- Magenta (7%)
- Yellow (68%)
- Black (53%)




- Cyan (53%)
- Magenta (56%)
- Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 15.7998, 0.4122, 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 15.7998, 0.4122, 0.4637 by changing the saturation by 10% instead.


 15.7998, 0.4122,
0.4637


 15.7998, 0.4122,
0.4637


 228.1575, 0.3577,
0.3868


 9.3826, 0.4251,
0.4844


 36.2503, 0.3921,
0.4339


 4.9916, 0.4438,
0.5154

 51.0524, 0.3845,
0.4232

 2.2423, 0.4550,
0.5450

 69.4182, 0.3781,
0.4144

 0.7429, 0.4300,
0.5700

 91.7322, 0.3728,
0.4070

 0.0000, 0.0000,
0.0000

 118.3787, 0.3682,
0.4007

 149.7422, 0.3642,

0.3954

186.2070, 0.3607,
0.3908

■ 15.7998, 0.4122,
0.4637

■ 15.7998, 0.4122,
0.4637

■ 15.4421, 0.4230,
0.4757

■ 16.1889, 0.3994,
0.4482

■ 15.1111, 0.4314,
0.4837

■ 16.6094, 0.3851,
0.4298

■ 14.8010, 0.4378,
0.4885

■ 17.0640, 0.3698,
0.4096

■ 14.7327, 0.4392,
0.4895

■ 17.5545, 0.3542,
0.3882

■ 18.0826, 0.3388,
0.3665

■ 18.6499, 0.3238,
0.3451

■ 19.2577, 0.3096,
0.3245

■ 19.9076, 0.2963,
0.3049

■ 20.6007, 0.2841,
0.2865

Harmonies

Analogous

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



15.7998, 0.4629, 0.4140



15.7998, 0.4122, 0.4637



15.7998, 0.3388, 0.4791

Triad

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



15.7998, 0.4122, 0.4637



15.7998, 0.1760, 0.2703



15.7998, 0.3508, 0.2488

Complementary

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



15.7998, 0.4122, 0.4637



3.9246, 0.1920, 0.1410

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.



15.7998, 0.2696, 0.2167



15.7998, 0.4122, 0.4637



15.7998, 0.1785, 0.2229

Square

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



15.7998, 0.4122, 0.4637



15.7998, 0.2042, 0.3492



15.7998, 0.2098, 0.2068



15.7998, 0.4294, 0.2975

Rectangle

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



15.7998, 0.4122, 0.4637



15.7998, 0.2870, 0.4565



15.7998, 0.2098, 0.2068



15.7998, 0.3224, 0.2360

Sweetspot

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



15.8005, 0.4122, 0.4637



32.1188, 0.3430, 0.3724



5.7336, 0.4984, 0.3121



7.2950, 0.3464, 0.3773



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.



15.8005, 0.4122, 0.4637



27.3378, 0.4277, 0.4805



15.9718, 0.3583, 0.5030



4.5625, 0.3257, 0.3479



15.7799, 0.4393, 0.4894



74.5067, 0.4404, 0.4885

Inverse Universe

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



3.9246, 0.1920, 0.1410



4.5560, 0.1692, 0.1011



4.1494, 0.2289, 0.1411



3.9578, 0.2994, 0.3094



1.7854, 0.1531, 0.0710



7.8722, 0.1517, 0.0662

Previews

White Background



This preview shows how the Yxy color 15.7998, 0.4122, 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 15.7998, 0.4122, 0.4637 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

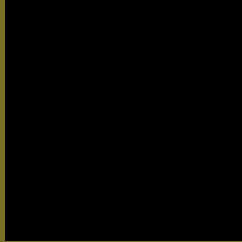
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.7998, 0.4122, 0.4637

Background



This preview shows how black text looks on a background with the Yxy color 15.7998, 0.4122, 0.4637.



This preview shows how white text looks on a background with the Yxy color 15.7998, 0.4122, 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

15.7998, 0.4122, 0.4637

Protanopia

15.8004, 0.4178, 0.4596

Deuteranopia

15.6665, 0.4440, 0.4366



Tritanopia

15.8074, 0.3332, 0.3138

Trichromacy



Original Color

15.7998, 0.4122, 0.4637

Protanomaly

15.7263, 0.4164, 0.4605

Deuteranomaly

15.7839, 0.4324, 0.4472

Tritanomaly

15.7570, 0.3666, 0.3726

Monochromacy



Original Color

15.7998, 0.4122, 0.4637

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.7138, 0.3512, 0.3845

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7998, 0.4122, 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(121, 112, 39)` looks like.

```
.text, #text, p{  
    color:rgb(121, 112, 39)  
}
```

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(121, 112, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 112, 39) }
```

Border

The CSS property to change the border of an element to Yxy 15.7998, 0.4122, 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(121, 112, 39) }
```

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

```
.border{ border-color:rgb(121, 112, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 112, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 112, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 112, 39);  
box-shadow:4px 4px 4px 4px rgb(121, 112,  
39) }
```


Background

The CSS property to change the background color of an element to Yxy 15.7998, 0.4122, 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(121, 112, 39) }
```

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

```
.background{ background-color: rgb(121,  
112, 39) }
```

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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