

Converting Colors

$Y_{xy}(16.7073, 0.4198, 0.4427)$

Have a look what the booklet for
Yxy(16.7073, 0.4198, 0.4427)
contains.

Yxy(16.7073, 0.4198, 0.4427)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.7073, 0.4198, 0.4427)

Conversions

Conversions Part 1

Format	Color
Hex	847030
RGB	132, 112, 48
RGB Percent	52%, 44%, 19%
CMY	0.4824, 0.5608, 0.8116
CMYK	0.00, 0.15, 0.64, 0.48
HSL	46°, 47%, 35%
HSV	46°, 64%, 52%
XYZ	15.8431, 16.7073, 5.1892
YIQ	110.6840, 32.4640, -15.6640

Conversions

Conversions Part 2

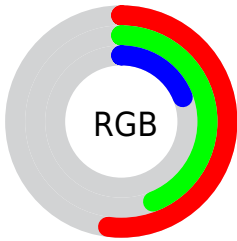
Format	Color
R_{YB}	74, 132, 48
Decimal	8679472
CIE Lab	47.89, -0.21, 37.64
CIE LCh	48, 37.642, 90.323
Yxy	16.7073, 0.4198, 0.4427
Android (android.graphics.Color)	4286869552 (0xFF847030)
YUV	110.6840, -30.9032, 18.6941
Hunter-Lab	40.8746, -2.3435, 21.0851

Details

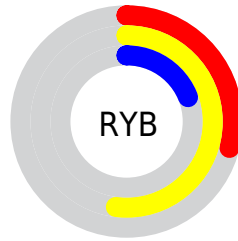
The Yxy color **16.7073, 0.4198, 0.4427** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **6.4312, 0.2039, 0.1759**, and the grayscale version is **15.8852, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.6222, 0.3970, 0.4178**, and **5.4861, 0.4532, 0.4783** is the 20% darker color. If you saturate the color by 10%, you get **15.9334, 0.4356, 0.4546**, and if you desaturate by 10%, it is **17.5395, 0.4026, 0.4277**.

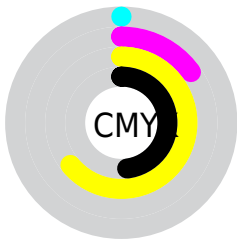
Distribution



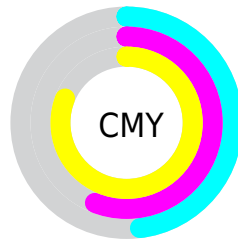
- Red (52%)
- Green (44%)
- Blue (19%)



- Red (29%)
- Yellow (52%)
- Blue (19%)



- Cyan (0%)
- Magenta (15%)
- Yellow (64%)
- Black (48%)





- Cyan (48%)
- Magenta (56%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7073, 0.4198, 0.4427 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 16.7073, 0.4198, 0.4427 by changing the saturation by 10% instead.


 16.7073, 0.4198,
0.4427


 16.7073, 0.4198,
0.4427


233.4799, 0.3600,
0.3791


 10.0260, 0.4354,
0.4593


 37.8218, 0.3971,
0.4185


 5.4162, 0.4550,
0.4803


 53.0239, 0.3887,
0.4096


 2.4935, 0.4862,
0.5138

 71.8350, 0.3818,
0.4023

 0.8734, 0.4857,
0.5143

 94.6395, 0.3760,
0.3962

 0.0000, 0.0000,
0.0000

 121.8219, 0.3711,
0.3909

 153.7665, 0.3669,

0.3864

190.8577, 0.3632,
0.3825

■ 16.7073, 0.4198,
0.4427

■ 16.7073, 0.4198,
0.4427

■ 15.9334, 0.4356,
0.4546

■ 17.5395, 0.4026,
0.4277

■ 15.2121, 0.4494,
0.4625

■ 18.4303, 0.3847,
0.4104

■ 14.5404, 0.4605,
0.4660

■ 19.3833, 0.3669,
0.3918

■ 14.1293, 0.4672,
0.4673

■ 20.4007, 0.3496,
0.3727

■ 21.4848, 0.3332,
0.3538

■ 22.6376, 0.3179,
0.3354

■ 23.8612, 0.3039,
0.3180

■ 25.1573, 0.2911,
0.3016

■ 26.5278, 0.2795,
0.2863

Harmonies

Analogous

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



16.7073, 0.4563, 0.3944



16.7073, 0.4198, 0.4427



16.7073, 0.3570, 0.4654

Triad

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



16.7073, 0.4198, 0.4427



16.7073, 0.1914, 0.2935



16.7073, 0.3269, 0.2456

Complementary

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



16.7073, 0.4198, 0.4427



6.4312, 0.2039, 0.1759

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.



16.7073, 0.2566, 0.2210



16.7073, 0.4198, 0.4427



16.7073, 0.1858, 0.2412

Square

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



16.7073, 0.4198, 0.4427



16.7073, 0.2259, 0.3695



16.7073, 0.2079, 0.2182



16.7073, 0.4013, 0.2875

Rectangle

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



16.7073, 0.4198, 0.4427



16.7073, 0.3093, 0.4543



16.7073, 0.2079, 0.2182



16.7073, 0.3018, 0.2352

Sweetspot

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



16.7081, 0.4198, 0.4427



36.7252, 0.3426, 0.3648



7.4513, 0.4558, 0.2916



8.4417, 0.3467, 0.3695



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



16.7081, 0.4198, 0.4427



27.5398, 0.4416, 0.4583



20.0938, 0.3714, 0.4865



5.2402, 0.3262, 0.3455



13.6908, 0.4671, 0.4673



0.0586, 0.4411, 0.4879

Inverse Universe

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



6.4312, 0.2039, 0.1759



8.0297, 0.1820, 0.1384



5.0481, 0.2186, 0.1437



4.7114, 0.2992, 0.3120



2.5909, 0.1586, 0.0909



0.0188, 0.1786, 0.1631

Previews

White Background



This preview shows how the Yxy color 16.7073, 0.4198, 0.4427 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 16.7073, 0.4198, 0.4427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

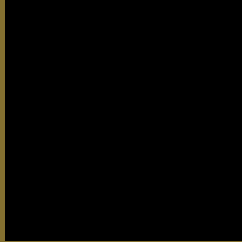
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.7073, 0.4198, 0.4427

Background



This preview shows how black text looks on a background with the Yxy color 16.7073, 0.4198, 0.4427.



This preview shows how white text looks on a background with the Yxy color 16.7073, 0.4198, 0.4427.

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

16.7073, 0.4198, 0.4427

Protanopia

16.7684, 0.4094, 0.4480

Deuteranopia

16.6096, 0.4364, 0.4288



Tritanopia

16.6138, 0.3473, 0.3145

Trichromacy



Original Color

16.7073, 0.4198, 0.4427

Protanomaly

16.6991, 0.4134, 0.4450

Deuteranomaly

16.5623, 0.4309, 0.4324

Tritanomaly

16.5973, 0.3770, 0.3647

Monochromacy



Original Color

16.7073, 0.4198, 0.4427

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.9954, 0.3536, 0.3757

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7073, 0.4198, 0.4427 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(132, 112, 48)` looks like.

```
.text, #text, p{  
    color:rgb(132, 112, 48)  
}
```

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(132, 112, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 112, 48) }
```

Border

The CSS property to change the border of an element to Yxy 16.7073, 0.4198, 0.4427 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(132, 112, 48) }
```

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

```
.border{ border-color:rgb(132, 112, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 112, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 112, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 112, 48);  
box-shadow:4px 4px 4px 4px rgb(132, 112,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7073, 0.4198, 0.4427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 112, 48) }
```

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

```
.background{ background-color: rgb(132,  
112, 48) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor