

Converting Colors

$Y_{xy}(16.6682, 0.4250, 0.5007)$

Have a look what the booklet for
Yxy(16.6682, 0.4250, 0.5007)
contains.

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Color

Yxy(16.7875, 0.4250, 0.5008)

Conversions

Conversions Part 1

Format	Color
Hex	797500
RGB	121, 117, 0
RGB Percent	47%, 46%, 0%
CMY	0.5255, 0.5412, 1.0000
CMYK	0.00, 0.03, 1.00, 0.53
HSL	58°, 100%, 24%
HSV	58°, 100%, 47%
XYZ	14.2466, 16.7875, 2.4873
YIQ	104.8580, 39.9410, -35.5390

Conversions

Conversions Part 2

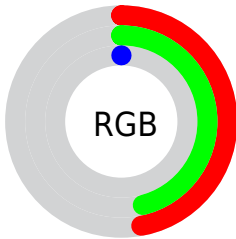
Format	Color
RYB	4, 121, 0
Decimal	7959808
CIELab	47.99, -10.22, 53.58
CIElCh	48, 54.548, 100.803
Yxy	16.7875, 0.4250, 0.5008
Android (android.graphics.Color)	4286149888 (0xFF797500)
YUV	104.8580, -51.6950, 14.1565
Hunter-Lab	40.9726, -9.6357, 25.0815

Details

The Yxy color **16.7875, 0.4250, 0.5008** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.4674, 0.1510, 0.0634**, and the grayscale version is **14.2213, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0819, 0.4071, 0.4667**, and **5.4852, 0.4171, 0.5070** is the 20% darker color. If you saturate the color by 10%, you get **16.7884, 0.4250, 0.5008**, and if you desaturate by 10%, it is **16.9087, 0.4208, 0.4955**.

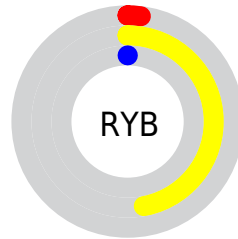
Distribution



Red (47%)

Green (46%)

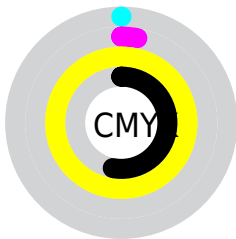
Blue (0%)



Red (2%)

Yellow (47%)

Blue (0%)

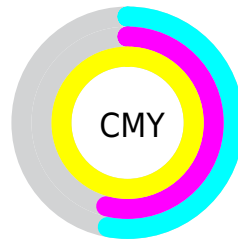


Cyan (0%)

Magenta (3%)

Yellow (100%)

Black (53%)



Cyan (53%)


Magenta (54%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7875, 0.4250, 0.5008 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 16.7875, 0.4250, 0.5008 by changing the saturation by 10% instead.


 16.7875, 0.4250,
0.5008


 16.7875, 0.4250,
0.5008


 233.9448, 0.3687,
0.4064


 10.0831, 0.4341,
0.5227


 37.9601, 0.4067,
0.4663


 5.4541, 0.4459,
0.5541

 53.1970, 0.3989,
0.4531


 2.5161, 0.4334,
0.5666

 72.0469, 0.3920,
0.4420

 0.8847, 0.4006,
0.5994


 94.8942, 0.3861,
0.4326


 0.0000, 0.0000,
0.0000

 122.1232, 0.3809,
0.4246


 154.1184, 0.3763,


0.4177

 191.2641, 0.3722,
0.4116


 16.7875, 0.4250,
0.5008


 16.7875, 0.4250,
0.5008


 16.7884, 0.4250,
0.5008

 16.9087, 0.4208,
0.4955

 17.0425, 0.4151,
0.4876

 17.1992, 0.4070,
0.4758

 17.3814, 0.3966,
0.4603

 17.5913, 0.3844,
0.4416

■ 17.8309, 0.3708,
0.4206

■ 18.1022, 0.3563,
0.3980

■ 18.4067, 0.3416,
0.3748

■ 18.7460, 0.3269,
0.3516

Harmonies

Analogous

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



16.7875, 0.4964, 0.4323



16.7875, 0.4250, 0.5008



16.7875, 0.3313, 0.5279

Triad

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



16.7875, 0.4250, 0.5008



16.7875, 0.1423, 0.2435



16.7875, 0.3695, 0.2326

Complementary

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



16.7875, 0.4250, 0.5008



1.4674, 0.1510, 0.0634

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.



16.7875, 0.2635, 0.1925



16.7875, 0.4250, 0.5008



16.7875, 0.1490, 0.1918

Square

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



16.7875, 0.4250, 0.5008



16.7875, 0.1704, 0.3427



16.7875, 0.1883, 0.1776



16.7875, 0.4717, 0.2914

Rectangle

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



16.7875, 0.4250, 0.5008



16.7875, 0.2673, 0.4965



16.7875, 0.1883, 0.1776



16.7875, 0.3321, 0.2167

Sweetspot

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



16.7884, 0.4250, 0.5008



32.3754, 0.3574, 0.3997



4.0741, 0.6343, 0.3268



7.3641, 0.3623, 0.4074



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.



16.7884, 0.4250, 0.5008



30.0198, 0.4251, 0.5007



14.7838, 0.3437, 0.5653



4.6123, 0.3256, 0.3495



17.9868, 0.4250, 0.5008



85.5422, 0.4253, 0.5005

Inverse Universe

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



1.4674, 0.1510, 0.0634



2.5856, 0.1507, 0.0625



2.2349, 0.1996, 0.0873



3.9128, 0.2994, 0.3077



1.5691, 0.1509, 0.0633



7.2381, 0.1504, 0.0614

Previews

White Background



This preview shows how the Yxy color 16.7875, 0.4250, 0.5008 looks on a white background.

Color Contrast Check

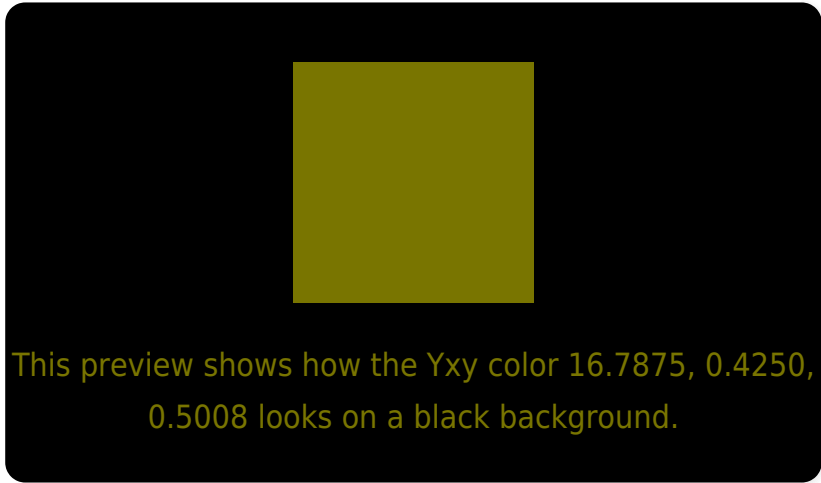
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

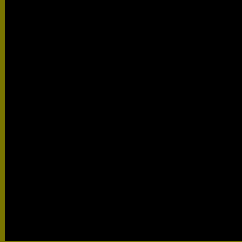
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.7875, 0.4250, 0.5008

Background



This preview shows how black text looks on a background with the Yxy color 16.7875, 0.4250, 0.5008.



This preview shows how white text looks on a background with the Yxy color 16.7875, 0.4250, 0.5008.

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

16.7875, 0.4250, 0.5008

Protanopia

16.7018, 0.4406, 0.4883

Deuteranopia

16.6949, 0.4646, 0.4572



Tritanopia

16.8108, 0.3284, 0.3140

Trichromacy



Original Color

16.7875, 0.4250, 0.5008

Protanomaly

16.6971, 0.4349, 0.4929

Deuteranomaly

16.6273, 0.4515, 0.4722

Tritanomaly

16.4427, 0.3799, 0.4033

Monochromacy



Original Color

16.7875, 0.4250, 0.5008

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

14.7220, 0.3701, 0.4180

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7875, 0.4250, 0.5008 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, 117, 0)` looks like.

```
.text, #text, p{  
    color:rgb(121, 117, 0)  
}
```

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, 117, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 117, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.7875, 0.4250, 0.5008 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, 117, 0) }
```

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

```
.border{ border-color:rgb(121, 117, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 117, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 117, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 117, 0);  
box-shadow:4px 4px 4px 4px rgb(121, 117,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7875, 0.4250, 0.5008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 117, 0) }
```

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

```
.background{ background-color: rgb(121,  
117, 0) }
```

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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