

Converting Colors

$Y_{xy}(16.8031, 0.4344, 0.4845)$

Have a look what the booklet for
Yxy(16.8031, 0.4344, 0.4845)
contains.

Yxy(16.8772, 0.4341, 0.4852)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(16.8772, 0.4341, 0.4852)

Conversions

Conversions Part 1

Format	Color
Hex	80730C
RGB	128, 115, 12
RGB Percent	50%, 45%, 5%
CMY	0.4980, 0.5490, 0.9532
CMYK	0.00, 0.10, 0.91, 0.50
HSL	53°, 83%, 27%
HSV	53°, 91%, 50%
XYZ	15.0997, 16.8772, 2.8071
YIQ	107.1450, 40.8110, -29.2770

Conversions

Conversions Part 2

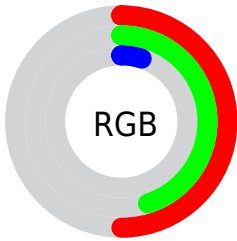
Format	Color
R_{YB}	27, 128, 12
Decimal	8418060
CIE Lab	48.10, -5.52, 51.44
CIE LCh	48, 51.738, 96.120
Yxy	16.8772, 0.4341, 0.4852
Android (android.graphics.Color)	4286608140 (0xFF80730C)
YUV	107.1450, -46.9065, 18.2898
Hunter-Lab	41.0819, -6.2852, 24.7061

Details

The Yxy color **16.8772, 0.4341, 0.4852** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.3288, 0.1606, 0.0851**, and the grayscale version is **14.8681, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.2575, 0.4121, 0.4549**, and **5.5102, 0.4374, 0.4909** is the 20% darker color. If you saturate the color by 10%, you get **16.5490, 0.4398, 0.4890**, and if you desaturate by 10%, it is **17.2503, 0.4264, 0.4786**.

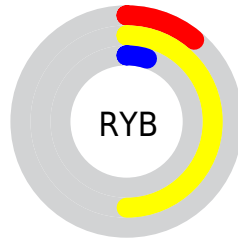
Distribution



Red (50%)

Green (45%)

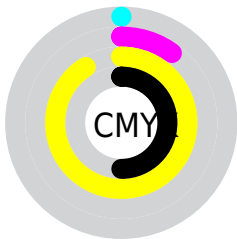
Blue (5%)



Red (11%)

Yellow (50%)

Blue (5%)

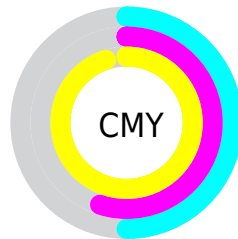


Cyan (0%)

Magenta (10%)

Yellow (91%)

Black (50%)



Cyan (50%)

Magenta (55%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.8772, 0.4341, 0.4852 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 16.8772, 0.4341, 0.4852 by changing the saturation by 10% instead.

■ 16.8772, 0.4341,
0.4852

■ 16.8772, 0.4341,
0.4852

■ 234.4637, 0.3711,
0.4003

■ 10.1470, 0.4461,
0.5043

■ 38.1145, 0.4126,
0.4545

■ 5.4965, 0.4653,
0.5347

■ 53.3904, 0.4038,
0.4427

■ 2.5414, 0.4587,
0.5413

■ 72.2836, 0.3963,
0.4327

■ 0.8973, 0.4446,
0.5554


■ 95.1786, 0.3898,
0.4242

■ 0.0000, 0.0000,
0.0000

■ 122.4597, 0.3841,
0.4169


■ 154.5113, 0.3792,

0.4106


 191.7179, 0.3749,
0.4051


 16.8772, 0.4341,
0.4852


 16.8772, 0.4341,
0.4852

 16.5490, 0.4398,
0.4890

 17.2503, 0.4264,
0.4786

 17.6530, 0.4163,
0.4678

 18.0892, 0.4039,
0.4533

 18.5615, 0.3899,
0.4357

 19.0722, 0.3748,
0.4159

■ 19.6236, 0.3591,
0.3947

■ 20.2176, 0.3435,
0.3730

■ 20.8560, 0.3282,
0.3514

■ 21.5405, 0.3137,
0.3304

Harmonies

Analogous

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



16.8772, 0.4957, 0.4189



16.8772, 0.4341, 0.4852



16.8772, 0.3465, 0.5179

Triad

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



16.8772, 0.4341, 0.4852



16.8772, 0.1512, 0.2602



16.8772, 0.3503, 0.2294

Complementary

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



16.8772, 0.4341, 0.4852



2.3288, 0.1606, 0.0851

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.



16.8772, 0.2526, 0.1941



16.8772, 0.4341, 0.4852



16.8772, 0.1525, 0.2032

Square

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



16.8772, 0.4341, 0.4852



16.8772, 0.1848, 0.3607



16.8772, 0.1856, 0.1840



16.8772, 0.4506, 0.2841

Rectangle

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



16.8772, 0.4341, 0.4852



16.8772, 0.2846, 0.4970



16.8772, 0.1856, 0.1840



16.8772, 0.3154, 0.2151

Sweetspot

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



16.8780, 0.4341, 0.4852



34.8579, 0.3543, 0.3881



4.9232, 0.5926, 0.3166



8.0940, 0.3587, 0.3942



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.



16.8780, 0.4341, 0.4852



29.0029, 0.4403, 0.4886



17.3291, 0.3583, 0.5446



4.9398, 0.3259, 0.3480



16.4086, 0.4398, 0.4890



0.0000, 0.0000, 0.0000

Inverse Universe

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



2.3288, 0.1606, 0.0851



3.1954, 0.1524, 0.0687



2.6729, 0.1960, 0.0922



4.2834, 0.2993, 0.3093



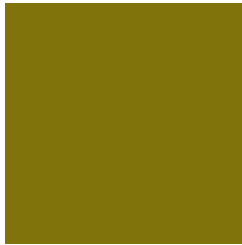
1.8672, 0.1531, 0.0710



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.8772, 0.4341, 0.4852 looks on a white background.

Color Contrast Check

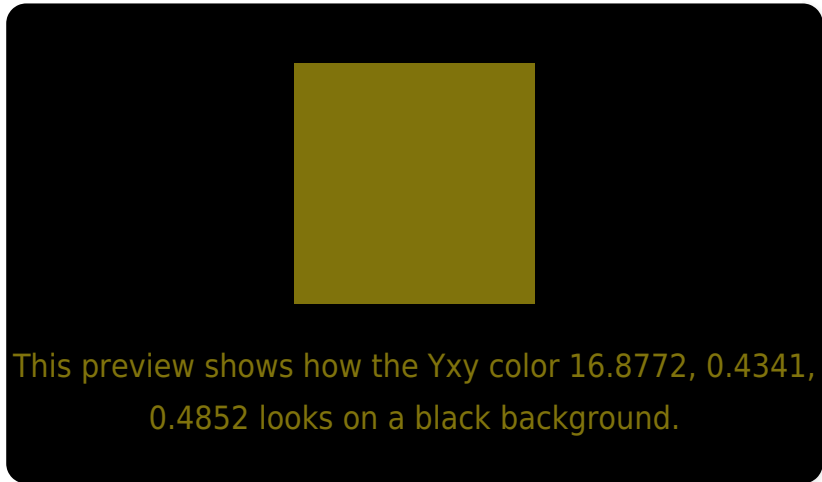
Large Text (above 18pt) WCAG AA ✓ Pass

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

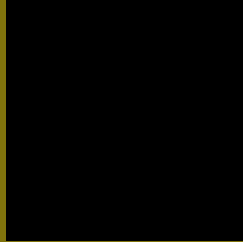
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8772, 0.4341, 0.4852

Background



This preview shows how black text looks on a background with the Yxy color 16.8772, 0.4341, 0.4852.



This preview shows how white text looks on a background with the Yxy color 16.8772, 0.4341, 0.4852.

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

16.8772, 0.4341, 0.4852

Protanopia

16.9551, 0.4354, 0.4841

Deuteranopia

16.6981, 0.4641, 0.4566



Tritanopia

16.9041, 0.3412, 0.3144

Trichromacy



Original Color

16.8772, 0.4341, 0.4852

Protanomaly

16.9551, 0.4354, 0.4841

Deuteranomaly

16.8096, 0.4523, 0.4676

Tritanomaly

16.6075, 0.3864, 0.3897

Monochromacy



Original Color

16.8772, 0.4341, 0.4852

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 16.8772, 0.4341, 0.4852 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(128, 115, 12)` looks like.

```
.text, #text, p{  
    color:rgb(128, 115, 12)  
}
```

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(128, 115, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 115, 12) }
```

Border

The CSS property to change the border of an element to Yxy 16.8772, 0.4341, 0.4852 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(128, 115, 12) }
```

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

```
.border{ border-color:rgb(128, 115, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 115, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 115, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 115, 12);  
box-shadow:4px 4px 4px 4px rgb(128, 115,  
12) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8772, 0.4341, 0.4852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 115, 12) }
```

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

```
.background{ background-color: rgb(128,  
115, 12) }
```

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