

Converting Colors

$Y_{xy}(17.1668, 0.3982, 0.4744)$

Have a look what the booklet for
Yxy(17.1668, 0.3982, 0.4744)
contains.

Yxy(17.2053, 0.3982, 0.4736)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.2053, 0.3982, 0.4736)

Conversions

Conversions Part 1

Format	Color
Hex	767729
RGB	118, 119, 41
RGB Percent	46%, 47%, 16%
CMY	0.5373, 0.5333, 0.8392
CMYK	0.01, 0.00, 0.66, 0.53
HSL	61°, 49%, 31%
HSV	61°, 66%, 47%
XYZ	14.4661, 17.2053, 4.6573
YIQ	109.8090, 24.4420, -24.4700

Conversions

Conversions Part 2

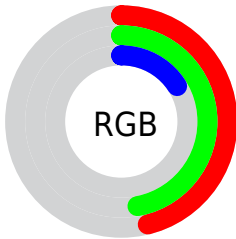
Format	Color
R_{YB}	41, 119, 42
Decimal	7763753
CIE _{Lab}	48.52, -11.14, 41.29
CIE _{LCh}	49, 42.768, 105.094
Yxy	17.2053, 0.3982, 0.4736
Android (android.graphics.Color)	4285953833 (0xFF767729)
YUV	109.8090, -33.9228, 7.1835
Hunter-Lab	41.4793, -10.3359, 22.3783

Details

The Yxy color **17.2053, 0.3982, 0.4736** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.4122, 0.1929, 0.1295**, and the grayscale version is **15.6290, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.6518, 0.3815, 0.4407**, and **5.6998, 0.4105, 0.5122** is the 20% darker color. If you saturate the color by 10%, you get **17.1241, 0.4063, 0.4877**, and if you desaturate by 10%, it is **17.3132, 0.3879, 0.4560**.

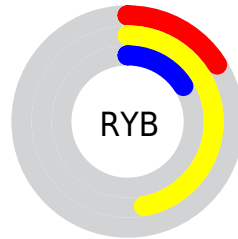
Distribution



Red (46%)

Green (47%)

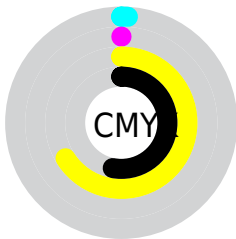
Blue (16%)



Red (16%)

Yellow (47%)

Blue (16%)

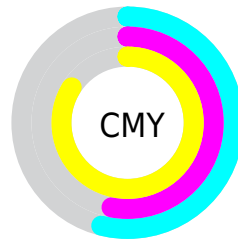


Cyan (1%)

Magenta (0%)

Yellow (66%)

Black (53%)



Cyan (54%)


Magenta (53%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.2053, 0.3982, 0.4736 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 17.2053, 0.3982, 0.4736 by changing the saturation by 10% instead.


 17.2053, 0.3982,
0.4736


 17.2053, 0.3982,
0.4736


236.3527, 0.3529,
0.3905

 10.3810, 0.4081,
0.4966


 38.6784, 0.3820,
0.4412


 5.6523, 0.4199,
0.5286

 54.0960, 0.3757,
0.4296


 2.6348, 0.4294,
0.5706

 73.1468, 0.3704,
0.4201

 0.9442, 0.3981,
0.6019

 96.2152, 0.3658,
0.4122

 0.0000, 0.0000,
0.0000

 123.6856, 0.3619,
0.4055

 155.9424, 0.3585,

0.3998

193.3699, 0.3555,
0.3948

■ 17.2053, 0.3982,
0.4736

■ 17.2053, 0.3982,
0.4736

■ 17.1241, 0.4063,
0.4877

■ 17.3132, 0.3879,
0.4560

■ 17.0650, 0.4121,
0.4978

■ 17.4475, 0.3760,
0.4356

■ 17.0245, 0.4157,
0.5044

■ 17.6109, 0.3627,
0.4132

■ 17.0080, 0.4171,
0.5070

■ 17.8051, 0.3487,
0.3895

■ 18.0315, 0.3345,
0.3655

■ 18.2917, 0.3203,
0.3418

■ 18.5870, 0.3067,
0.3189

■ 18.9186, 0.2937,
0.2972

■ 19.2880, 0.2816,
0.2769

Harmonies

Analogous

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



17.2053, 0.4567, 0.4277



17.2053, 0.3982, 0.4736



17.2053, 0.3212, 0.4776

Triad

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



17.2053, 0.3982, 0.4736



17.2053, 0.1719, 0.2554



17.2053, 0.3707, 0.2574

Complementary

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



17.2053, 0.3982, 0.4736



3.4122, 0.1929, 0.1295

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.



17.2053, 0.2859, 0.2206



17.2053, 0.3982, 0.4736



17.2053, 0.1810, 0.2150

Square

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



17.2053, 0.3982, 0.4736



17.2053, 0.1933, 0.3293



17.2053, 0.2193, 0.2051



17.2053, 0.4453, 0.3093

Rectangle

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



17.2053, 0.3982, 0.4736



17.2053, 0.2696, 0.4451



17.2053, 0.2193, 0.2051



17.2053, 0.3418, 0.2431

Sweetspot

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



17.2061, 0.3982, 0.4736



32.0748, 0.3416, 0.3775



5.6696, 0.5117, 0.3296



7.5799, 0.3448, 0.3829



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.



17.2061, 0.3982, 0.4736



30.5965, 0.4098, 0.4937



15.0622, 0.3455, 0.5049



4.2639, 0.3252, 0.3500



18.0665, 0.4171, 0.5070



88.0087, 0.4170, 0.5071

Inverse Universe

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



3.4122, 0.1929, 0.1295



3.7994, 0.1683, 0.0892



4.6249, 0.2476, 0.1541



3.5920, 0.2997, 0.3071



1.4255, 0.1507, 0.0604



6.9172, 0.1503, 0.0602

Previews

White Background



This preview shows how the Yxy color 17.2053, 0.3982, 0.4736 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 17.2053, 0.3982, 0.4736 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

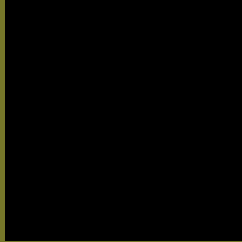
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.2053, 0.3982, 0.4736

Background



This preview shows how black text looks on a background with the Yxy color 17.2053, 0.3982, 0.4736.



This preview shows how white text looks on a background with the Yxy color 17.2053, 0.3982, 0.4736.

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

17.2053, 0.3982, 0.4736

Protanopia

17.0818, 0.4192, 0.4600

Deuteranopia

17.0484, 0.4442, 0.4346



Tritanopia

17.0849, 0.3202, 0.3120

Trichromacy



Original Color

17.2053, 0.3982, 0.4736

Protanomaly

17.0040, 0.4124, 0.4648

Deuteranomaly

17.1356, 0.4276, 0.4486

Tritanomaly

16.9275, 0.3526, 0.3746

Monochromacy



Original Color

17.2053, 0.3982, 0.4736

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.9768, 0.3480, 0.3873

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2053, 0.3982, 0.4736 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(118, 119, 41)` looks like.

```
.text, #text, p{  
    color:rgb(118, 119, 41)  
}
```

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(118, 119, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 119, 41) }
```

Border

The CSS property to change the border of an element to Yxy 17.2053, 0.3982, 0.4736 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(118, 119, 41) }
```

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

```
.border{ border-color:rgb(118, 119, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 119, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 119, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 119, 41);  
box-shadow:4px 4px 4px 4px rgb(118, 119,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 17.2053, 0.3982, 0.4736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 119, 41) }
```

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

```
.background{ background-color: rgb(118,  
119, 41) }
```

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