

Converting Colors

$Y_{xy}(44.7037, 0.3734, 0.4246)$

Have a look what the booklet for
Yxy(44.7037, 0.3734, 0.4246)
contains.

Yxy(44.7720, 0.3729, 0.4248)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(44.7720, 0.3729, 0.4248)

Conversions

Conversions Part 1

Format	Color
Hex	B8B66E
RGB	184, 182, 110
RGB Percent	72%, 71%, 43%
CMY	0.2786, 0.2862, 0.5686
CMYK	0.00, 0.01, 0.40, 0.28
HSL	58°, 34%, 58%
HSV	58°, 40%, 72%
XYZ	39.3020, 44.7720, 21.3215
YIQ	174.3900, 24.3040, -21.9680

Conversions

Conversions Part 2

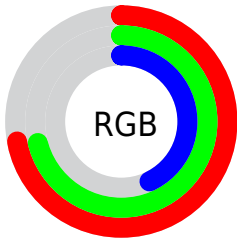
Format	Color
RYB	112, 184, 110
Decimal	12105326
CIELab	72.74, -10.00, 36.86
CIELCh	73, 38.196, 105.184
Yxy	44.7720, 0.3729, 0.4248
Android (android.graphics.Color)	4290295406 (0xFFB8B66E)
YUV	174.3900, -31.7443, 8.4280
Hunter-Lab	66.9119, -12.2504, 27.9455

Details

The Yxy color **44.7720, 0.3729, 0.4248** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **18.3489, 0.2399, 0.2110**, and the grayscale version is **42.6938, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4942, 0.3625, 0.4071**, and **20.7726, 0.3886, 0.4517** is the 20% darker color. If you saturate the color by 10%, you get **44.2167, 0.3866, 0.4463**, and if you desaturate by 10%, it is **45.4153, 0.3581, 0.4015**.

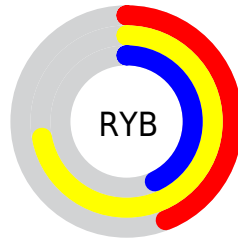
Distribution



Red (72%)

Green (71%)

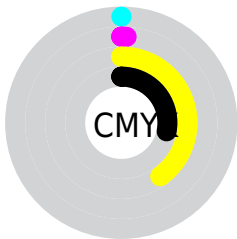
Blue (43%)



Red (44%)

Yellow (72%)

Blue (43%)

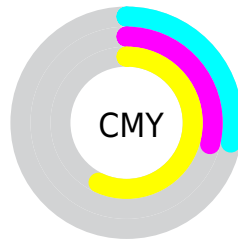


Cyan (0%)

Magenta (1%)

Yellow (40%)

Black (28%)



Cyan (28%)


Magenta (29%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.7720, 0.3729, 0.4248 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 44.7720, 0.3729, 0.4248 by changing the saturation by 10% instead.


 44.7720, 0.3729,
0.4248

 44.7720, 0.3729,
0.4248


365.8494, 0.3440,
0.3764


 31.2779, 0.3795,
0.4367


 82.3782, 0.3628,
0.4073


 20.8105, 0.3874,
0.4518


 107.2590, 0.3589,
0.4006

 12.9856, 0.3968,
0.4712


 136.7042, 0.3555,
0.3950

 7.4186, 0.4077,
0.4966

 171.0981, 0.3526,
0.3902

 3.7253, 0.4306,
0.5453

210.8252, 0.3500,
0.3861

 1.5211, 0.4247,
0.5753

256.2699, 0.3478,

 0.3035, 0.1272,

0.3824

0.8728

307.8165, 0.3458,
0.3792

0.0000, 0.0000,
0.0000

44.7720, 0.3729,
0.4248

44.7720, 0.3729,
0.4248

44.2167, 0.3866,
0.4463

45.4153, 0.3581,
0.4015

43.7380, 0.3988,
0.4651

46.1451, 0.3429,
0.3773

43.3323, 0.4088,
0.4803


46.9679, 0.3277,
0.3531


42.9928, 0.4163,
0.4914

47.8878, 0.3130,
0.3295

42.7120, 0.4212,
0.4982

48.9086, 0.2990,
0.3069

 42.4782, 0.4239,
0.5016

 50.0339, 0.2859,
0.2858

 51.2673, 0.2738,
0.2662

 52.4718, 0.2640,
0.2503

 52.6753, 0.2640,
0.2509

Harmonies

Analogous

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



44.7720, 0.4100, 0.3999



44.7720, 0.3729, 0.4248



44.7720, 0.3215, 0.4216

Triad

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



44.7720, 0.3729, 0.4248



44.7720, 0.2157, 0.2825



44.7720, 0.3516, 0.2806

Complementary

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



44.7720, 0.3729, 0.4248



18.3489, 0.2399, 0.2110

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.



44.7720, 0.2964, 0.2540



44.7720, 0.3729, 0.4248



44.7720, 0.2220, 0.2524

Square

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



44.7720, 0.3729, 0.4248



44.7720, 0.2324, 0.3313



44.7720, 0.2500, 0.2434



44.7720, 0.3987, 0.3183

Rectangle

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



44.7720, 0.3729, 0.4248



44.7720, 0.2864, 0.4007



44.7720, 0.2500, 0.2434



44.7720, 0.3331, 0.2702

Sweetspot

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



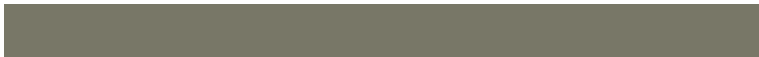
44.7740, 0.3729, 0.4248



84.8738, 0.3307, 0.3579



22.5171, 0.4092, 0.3258



18.2545, 0.3327, 0.3610



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



44.7740, 0.3729, 0.4248



80.3285, 0.3848, 0.4434



41.8207, 0.3400, 0.4386



10.4618, 0.3264, 0.3510



29.3077, 0.4239, 0.5016



1.0459, 0.4226, 0.5026

Inverse Universe

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



18.3489, 0.2399, 0.2110



25.9571, 0.2217, 0.1812



20.5863, 0.2736, 0.2182



8.7562, 0.2984, 0.3060



2.4737, 0.1506, 0.0620



0.1001, 0.1528, 0.0701

Previews

White Background



This preview shows how the Yxy color 44.7720, 0.3729, 0.4248 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 44.7720, 0.3729, 0.4248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

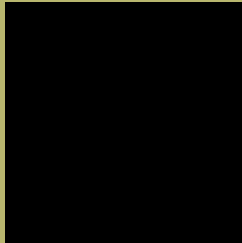
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.7720, 0.3729, 0.4248

Background



This preview shows how black text looks on a background with the Yxy color 44.7720, 0.3729, 0.4248.



This preview shows how white text looks on a background with the Yxy color 44.7720, 0.3729, 0.4248.

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

44.7720, 0.3729, 0.4248

Protanopia

44.5470, 0.3863, 0.4178

Deuteranopia

44.3888, 0.4067, 0.3979



Tritanopia

44.7698, 0.3197, 0.3125

Trichromacy



Original Color

44.7720, 0.3729, 0.4248

Protanomaly

44.4207, 0.3819, 0.4202

Deuteranomaly

44.2793, 0.3947, 0.4068

Tritanomaly

44.4664, 0.3406, 0.3527

Monochromacy



Original Color

44.7720, 0.3729, 0.4248

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.1436, 0.3352, 0.3646

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.7720, 0.3729, 0.4248 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(184, 182, 110)` looks like.

```
.text, #text, p{  
    color:rgb(184, 182, 110)  
}
```

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(184, 182, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 182, 110) }
```

Border

The CSS property to change the border of an element to Yxy 44.7720, 0.3729, 0.4248 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(184, 182, 110) }
```

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

```
.border{ border-color:rgb(184, 182, 110) }
```

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

Here you see how a box with a 4 pixel rgb(184, 182, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 182, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 182, 110);  
box-shadow:4px 4px 4px 4px rgb(184, 182,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 44.7720, 0.3729, 0.4248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 182, 110) }
```

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

```
.background{ background-color: rgb(184,  
182, 110) }
```

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