

Converting Colors

$Y_{xy}(45.1770, 0.3474, 0.4003)$

Have a look what the booklet for
Yxy(45.1770, 0.3474, 0.4003)
contains.

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Color

Yxy(45.1770, 0.3474, 0.4003)

Conversions

Conversions Part 1

Format	Color
Hex	B0B884
RGB	176, 184, 132
RGB Percent	69%, 72%, 52%
CMY	0.3098, 0.2784, 0.4824
CMYK	0.04, 0.00, 0.28, 0.28
HSL	69°, 27%, 62%
HSV	69°, 28%, 72%
XYZ	39.2068, 45.1770, 28.4740
YIQ	175.6800, 11.9240, -17.8680

Conversions

Conversions Part 2

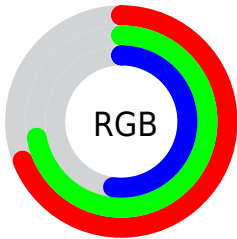
Format	Color
RYB	132, 184, 140
Decimal	11581572
CIELab	73.01, -11.46, 25.57
CIELCh	73, 28.015, 114.136
Yxy	45.1770, 0.3474, 0.4003
Android (android.graphics.Color)	4289771652 (0xFFB0B884)
YUV	175.6800, -21.5342, 0.2806
Hunter-Lab	67.2138, -13.5025, 21.9325

Details

The Yxy color **45.1770, 0.3474, 0.4003** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **25.5319, 0.2715, 0.2501**, and the grayscale version is **43.3495, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9788, 0.3417, 0.3873**, and **21.0527, 0.3564, 0.4213** is the 20% darker color. If you saturate the color by 10%, you get **44.3919, 0.3591, 0.4260**, and if you desaturate by 10%, it is **46.0619, 0.3351, 0.3744**.

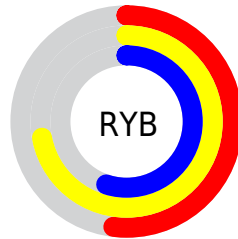
Distribution



Red (69%)

Green (72%)

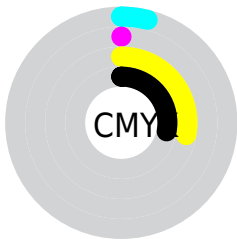
Blue (52%)



Red (52%)

Yellow (72%)

Blue (55%)

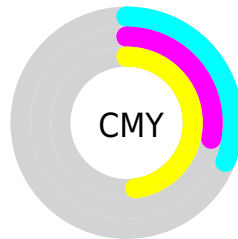


Cyan (4%)

Magenta (0%)

Yellow (28%)

Black (28%)



Cyan (31%)


Magenta (28%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.1770, 0.3474, 0.4003 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 45.1770, 0.3474, 0.4003 by changing the saturation by 10% instead.


 45.1770, 0.3474,
0.4003


 45.1770, 0.3474,
0.4003


367.4899, 0.3306,
0.3638

 31.5969, 0.3513,
0.4096


 82.9860, 0.3415,
0.3869

 21.0538, 0.3562,
0.4216


 107.9836, 0.3392,
0.3819

 13.1633, 0.3623,
0.4377

 137.5558, 0.3372,
0.3777

 7.5411, 0.3700,
0.4601

172.0870, 0.3355,
0.3741

 3.8027, 0.3792,
0.4930

211.9617, 0.3341,
0.3710

 1.5638, 0.4160,
0.5840

257.5641, 0.3328,

 0.3330, 0.0997,

0.3683

0.9003

309.2787, 0.3316,
0.3659

0.0000, 0.0000,
0.0000

45.1770, 0.3474,
0.4003

45.1770, 0.3474,
0.4003

44.3919, 0.3591,
0.4260

46.0619, 0.3351,
0.3744

43.6958, 0.3698,
0.4506

47.0449, 0.3228,
0.3491

43.0857, 0.3789,
0.4731

48.1321, 0.3107,
0.3249

42.5557, 0.3860,
0.4924

49.3273, 0.2990,
0.3022

42.0996, 0.3906,
0.5078

50.6343, 0.2881,
0.2812

■ 41.7097, 0.3927,
0.5187

■ 52.0564, 0.2779,
0.2620

■ 41.3738, 0.3925,
0.5256

■ 53.2189, 0.2720,
0.2499

■ 41.3182, 0.3924,
0.5266

■ 53.6023, 0.2740,
0.2503

■ 53.9930, 0.2760,
0.2508

Harmonies

Analogous

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



45.1770, 0.3784, 0.3893



45.1770, 0.3474, 0.4003



45.1770, 0.3083, 0.3896

Triad

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



45.1770, 0.3474, 0.4003



45.1770, 0.2395, 0.2873



45.1770, 0.3529, 0.3009

Complementary

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



45.1770, 0.3474, 0.4003



25.5319, 0.2715, 0.2501

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.



45.1770, 0.3132, 0.2773



45.1770, 0.3474, 0.4003



45.1770, 0.2495, 0.2684

Square

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



45.1770, 0.3474, 0.4003



45.1770, 0.2474, 0.3201



45.1770, 0.2756, 0.2655



45.1770, 0.3824, 0.3315

Rectangle

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



45.1770, 0.3474, 0.4003



45.1770, 0.2832, 0.3707



45.1770, 0.2756, 0.2655



45.1770, 0.3402, 0.2919

Sweetspot

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



45.1790, 0.3474, 0.4003



85.2995, 0.3226, 0.3488



30.5488, 0.3706, 0.3402



18.3285, 0.3244, 0.3525



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.



45.1790, 0.3474, 0.4003



80.9732, 0.3549, 0.4166



42.4518, 0.3243, 0.4059



10.4314, 0.3241, 0.3517



28.4980, 0.3927, 0.5264



1.0238, 0.4000, 0.5206

Inverse Universe

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



25.5319, 0.2715, 0.2501



39.4272, 0.2605, 0.2298



28.0421, 0.2971, 0.2557



8.7841, 0.3008, 0.3055



2.5789, 0.1572, 0.0639



0.1120, 0.1779, 0.0754

Previews

White Background



This preview shows how the Yxy color 45.1770, 0.3474, 0.4003 looks on a white background.

Color Contrast Check

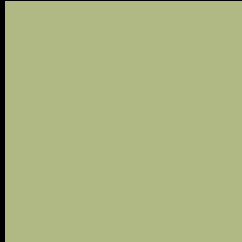
Large Text (above 18pt) WCAG AA × Fail

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 45.1770, 0.3474, 0.4003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

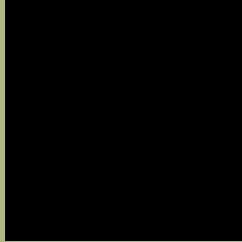
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.1770, 0.3474, 0.4003

Background



This preview shows how black text looks on a background with the Yxy color 45.1770, 0.3474, 0.4003.



This preview shows how white text looks on a background with the Yxy color 45.1770, 0.3474, 0.4003.

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

45.1770, 0.3474, 0.4003

Protanopia

45.1894, 0.3666, 0.3931

Deuteranopia

45.1032, 0.3823, 0.3749



Tritanopia

44.9587, 0.3084, 0.3109

Trichromacy



Original Color

45.1770, 0.3474, 0.4003

Protanomaly

45.2512, 0.3594, 0.3955

Deuteranomaly

44.7777, 0.3691, 0.3833

Tritanomaly

44.9285, 0.3226, 0.3423

Monochromacy



Original Color

45.1770, 0.3474, 0.4003

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.0084, 0.3256, 0.3549

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1770, 0.3474, 0.4003 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(176, 184, 132)` looks like.

```
.text, #text, p{  
    color:rgb(176, 184, 132)  
}
```

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(176, 184, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 184, 132) }
```

Border

The CSS property to change the border of an element to Yxy 45.1770, 0.3474, 0.4003 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(176, 184, 132) }
```

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

```
.border{ border-color:rgb(176, 184, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 184, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 184, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 184, 132);  
box-shadow:4px 4px 4px 4px rgb(176, 184,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1770, 0.3474, 0.4003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 184, 132) }
```

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

```
.background{ background-color: rgb(176,  
184, 132) }
```

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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