

Converting Colors

$Y_{xy}(44.9642, 0.3999, 0.4702)$

Have a look what the booklet for
Yxy(44.9642, 0.3999, 0.4702)
contains.

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Color

Yxy(45.0375, 0.3995, 0.4703)

Conversions

Conversions Part 1

Format	Color
Hex	B9B846
RGB	185, 184, 70
RGB Percent	73%, 72%, 27%
CMY	0.2744, 0.2784, 0.7255
CMYK	0.00, 0.01, 0.62, 0.27
HSL	59°, 45%, 50%
HSV	59°, 62%, 73%
XYZ	38.2575, 45.0375, 12.4684
YIQ	171.3030, 37.1900, -35.2420

Conversions

Conversions Part 2

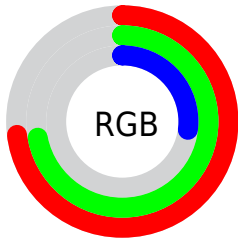
Format	Color
RYB	71, 185, 70
Decimal	12171334
CIELab	72.92, -14.09, 56.18
CIELCh	73, 57.923, 104.077
Yxy	45.0375, 0.3995, 0.4703
Android (android.graphics.Color)	4290361414 (0xFFB9B846)
YUV	171.3030, -49.9424, 12.0123
Hunter-Lab	67.1100, -15.6848, 35.9615

Details

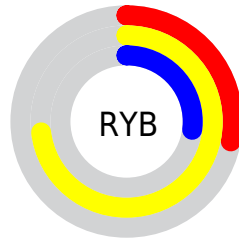
The Yxy color **45.0375, 0.3995, 0.4703** is a dark color, and the websafe version is hex **CCCC66**. A complement of this color would be **9.3134, 0.1938, 0.1333**, and the grayscale version is **41.1292, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8049, 0.3866, 0.4465**, and **20.9151, 0.4151, 0.5045** is the 20% darker color. If you saturate the color by 10%, you get **44.7724, 0.4086, 0.4849**, and if you desaturate by 10%, it is **45.3788, 0.3882, 0.4520**.

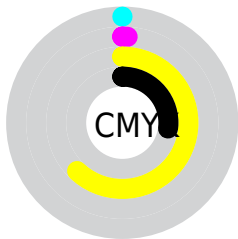
Distribution



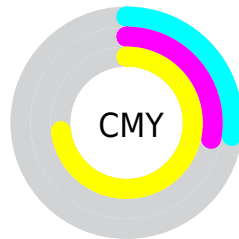
- Red (73%)
- Green (72%)
- Blue (27%)



- Red (28%)
- Yellow (73%)
- Blue (27%)



- Cyan (0%)
- Magenta (1%)
- Yellow (62%)
- Black (27%)





- Cyan (27%)
- Magenta (28%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.0375, 0.3995, 0.4703 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 45.0375, 0.3995, 0.4703 by changing the saturation by 10% instead.


 45.0375, 0.3995,
0.4703

 45.0375, 0.3995,
0.4703


366.9254, 0.3605,
0.4008


 31.4870, 0.4069,
0.4860


 82.7767, 0.3869,
0.4460


 20.9699, 0.4147,
0.5048


 107.7341, 0.3816,
0.4365

 13.1020, 0.4219,
0.5268


 137.2626, 0.3770,
0.4284

 7.4988, 0.4345,
0.5625

 171.7467, 0.3729,
0.4214

 3.7760, 0.4221,
0.5779

 211.5705, 0.3692,
0.4152

 1.5491, 0.3988,
0.6012

257.1187, 0.3660,

 0.3229, 0.0000,

0.4098

1.0000

308.7755, 0.3631,
0.4051

■ 0.0000, 0.0000,
0.0000

■ 45.0375, 0.3995,
0.4703

■ 45.0375, 0.3995,
0.4703

■ 44.7724, 0.4086,
0.4849

■ 45.3788, 0.3882,
0.4520

■ 44.5704, 0.4151,
0.4952

■ 45.7961, 0.3751,
0.4308

■ 44.4255, 0.4191,
0.5014

■ 46.2967, 0.3607,
0.4074

■ 44.3390, 0.4209,
0.5040

■ 46.8857, 0.3458,
0.3830

■ 47.5674, 0.3306,
0.3583

■ 48.3462, 0.3159,
0.3341

■ 49.2259, 0.3017,
0.3109

■ 50.2103, 0.2884,
0.2891

■ 51.3030, 0.2760,
0.2688

Harmonies

Analogous

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



45.0375, 0.4560, 0.4247



45.0375, 0.3995, 0.4703



45.0375, 0.3240, 0.4757

Triad

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



45.0375, 0.3995, 0.4703



45.0375, 0.1742, 0.2587



45.0375, 0.3669, 0.2570

Complementary

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



45.0375, 0.3995, 0.4703



9.3134, 0.1938, 0.1333

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.



45.0375, 0.2838, 0.2212



45.0375, 0.3995, 0.4703



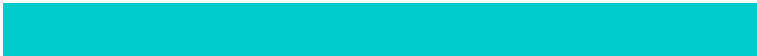
45.0375, 0.1821, 0.2176

Square

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



45.0375, 0.3995, 0.4703



45.0375, 0.1964, 0.3324



45.0375, 0.2190, 0.2067



45.0375, 0.4411, 0.3079

Rectangle

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



45.0375, 0.3995, 0.4703



45.0375, 0.2729, 0.4451



45.0375, 0.2190, 0.2067



45.0375, 0.3385, 0.2430

Sweetspot

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



45.0396, 0.3995, 0.4703



84.2803, 0.3414, 0.3759



15.1626, 0.5043, 0.3272



18.0980, 0.3457, 0.3830



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.



45.0396, 0.3995, 0.4703



80.0045, 0.4115, 0.4896



39.8501, 0.3471, 0.5015



10.4893, 0.3264, 0.3514



30.1885, 0.4209, 0.5040



1.0686, 0.4204, 0.5044

Inverse Universe

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



9.3134, 0.1938, 0.1333



10.6258, 0.1701, 0.0939



12.2869, 0.2466, 0.1555



8.7320, 0.2984, 0.3056



2.4152, 0.1502, 0.0607



0.0895, 0.1510, 0.0635

Previews

White Background



This preview shows how the Yxy color 45.0375, 0.3995, 0.4703 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 45.0375, 0.3995, 0.4703 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 45.0375, 0.3995, 0.4703

Background



This preview shows how black text looks on a background with the Yxy color 45.0375, 0.3995, 0.4703.



This preview shows how white text looks on a background with the Yxy color 45.0375, 0.3995, 0.4703.

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

45.0375, 0.3995, 0.4703

Protanopia

44.9492, 0.4180, 0.4582

Deuteranopia

44.7735, 0.4431, 0.4338



Tritanopia

44.7860, 0.3225, 0.3114

Trichromacy



Original Color

45.0375, 0.3995, 0.4703

Protanomaly

45.0795, 0.4117, 0.4628

Deuteranomaly

44.6963, 0.4274, 0.4461

Tritanomaly

44.2708, 0.3546, 0.3712

Monochromacy



Original Color

45.0375, 0.3995, 0.4703

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

42.0020, 0.3481, 0.3874

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0375, 0.3995, 0.4703 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(185, 184, 70)` looks like.

```
.text, #text, p{  
    color:rgb(185, 184, 70)  
}
```

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(185, 184, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 184, 70) }
```

Border

The CSS property to change the border of an element to Yxy 45.0375, 0.3995, 0.4703 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(185, 184, 70) }
```

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

```
.border{ border-color:rgb(185, 184, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 184, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 184, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 184, 70);  
box-shadow:4px 4px 4px 4px rgb(185, 184,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0375, 0.3995, 0.4703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 184, 70) }
```

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

```
.background{ background-color: rgb(185,  
184, 70) }
```

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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