

Converting Colors

$Y_{xy}(45.4071, 0.3923, 0.4485)$

Have a look what the booklet for
Yxy(45.4071, 0.3923, 0.4485)
contains.

| | |
|---|----|
| Yxy(45.4071, 0.3923, 0.4485) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(45.4071, 0.3923, 0.4485)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---|
| Hex | BDB759 |
| RGB | 189, 183, 89 |
| RGB Percent | 74%, 72%, 35% |
| CMY | 0.2589, 0.2823, 0.6511 |
| CMYK | 0.00, 0.03, 0.53, 0.26 |
| HSL | 56°, 43%, 55% |
| HSV | 56°, 53%, 74% |
| XYZ | 39.7173, 45.4071, 16.1177 |
| YIQ | 174.0780, 33.7500, -27.9620 |

Conversions

Conversions Part 2

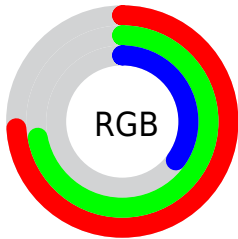
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 95, 189, 89 |
| Decimal | 12433241 |
| CIELab | 73.16, -10.50, 47.92 |
| CIElCh | 73, 49.061, 102.355 |
| Yxy | 45.4071, 0.3923, 0.4485 |
| Android (android.graphics.Color) | 4290623321 (0xFFBDB759) |
| YUV | 174.0780, -41.9435, 13.0866 |
| Hunter-Lab | 67.3848, -12.7136, 32.9878 |

Details

The Yxy color **45.4071, 0.3923, 0.4485** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **13.9696, 0.2140, 0.1719**, and the grayscale version is **42.5748, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4602, 0.3793, 0.4272**, and **21.0917, 0.4087, 0.4788** is the 20% darker color. If you saturate the color by 10%, you get **44.6688, 0.4047, 0.4660**, and if you desaturate by 10%, it is **46.2348, 0.3782, 0.4281**.

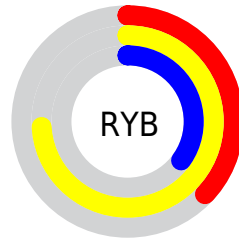
Distribution



Red (74%)

Green (72%)

Blue (35%)



Red (37%)

Yellow (74%)

Blue (35%)

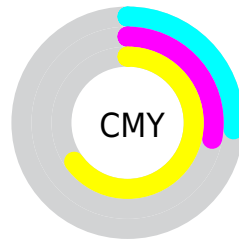


Cyan (0%)

Magenta (3%)

Yellow (53%)

Black (26%)



Cyan (26%)


Magenta (28%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.4071, 0.3923, 0.4485 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 45.4071, 0.3923, 0.4485 by changing the saturation by 10% instead.


 45.4071, 0.3923,
0.4485

 45.4071, 0.3923,
0.4485


368.4198, 0.3551,
0.3893


 31.7782, 0.4001,
0.4624


 83.3310, 0.3797,
0.4275

 21.1921, 0.4091,
0.4793


 108.3947, 0.3747,
0.4194

 13.2645, 0.4189,
0.5000


 138.0389, 0.3703,
0.4125

 7.6110, 0.4293,
0.5260

 172.6479, 0.3665,
0.4066

 3.8470, 0.4394,
0.5606

212.6061, 0.3632,
0.4014

 1.5884, 0.4225,
0.5775

258.2979, 0.3602,

 0.3497, 0.1788,

0.3969

0.8212

310.1077, 0.3575,
0.3929

0.0000, 0.0000,
0.0000

45.4071, 0.3923,
0.4485

45.4071, 0.3923,
0.4485

44.6688, 0.4047,
0.4660

46.2348, 0.3782,
0.4281

44.0071, 0.4150,
0.4799

47.1514, 0.3631,
0.4057

43.4170, 0.4227,
0.4895

48.1640, 0.3475,
0.3823

42.8896, 0.4277,
0.4948

49.2775, 0.3320,
0.3587

42.5416, 0.4301,
0.4967

50.4963, 0.3170,
0.3356

■ 51.8247, 0.3027,
0.3134

■ 53.2665, 0.2894,
0.2926

■ 54.8255, 0.2771,
0.2733

■ 56.2412, 0.2682,
0.2594

Harmonies

Analogous

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



45.4071, 0.4380, 0.4112



45.4071, 0.3923, 0.4485



45.4071, 0.3281, 0.4522

Triad

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



45.4071, 0.3923, 0.4485



45.4071, 0.1930, 0.2733



45.4071, 0.3551, 0.2647

Complementary

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



45.4071, 0.3923, 0.4485



13.9696, 0.2140, 0.1719

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.



45.4071, 0.2849, 0.2340



45.4071, 0.3923, 0.4485



45.4071, 0.1982, 0.2348

Square

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



45.4071, 0.3923, 0.4485



45.4071, 0.2150, 0.3373



45.4071, 0.2296, 0.2228



45.4071, 0.4183, 0.3093

Rectangle

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



45.4071, 0.3923, 0.4485



45.4071, 0.2838, 0.4280



45.4071, 0.2296, 0.2228



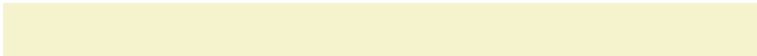
45.4071, 0.3311, 0.2526

Sweetspot

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



45.4092, 0.3923, 0.4485



87.5969, 0.3371, 0.3665



18.7951, 0.4543, 0.3205



18.7486, 0.3403, 0.3714



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



45.4092, 0.3923, 0.4485



79.8911, 0.4060, 0.4677



43.1828, 0.3490, 0.4741



11.0205, 0.3266, 0.3504



28.6727, 0.4300, 0.4968



1.1530, 0.4272, 0.4990

Inverse Universe

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



13.9696, 0.2140, 0.1719



17.8526, 0.1921, 0.1358



15.7454, 0.2535, 0.1788



9.3142, 0.2984, 0.3067



2.6766, 0.1512, 0.0644



0.1364, 0.1559, 0.0812

Previews

White Background



This preview shows how the Yxy color 45.4071, 0.3923, 0.4485 looks on a white background.

Color Contrast Check

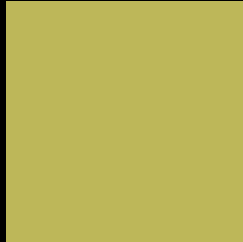
Large Text (above 18pt) WCAG AA × Fail

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 45.4071, 0.3923, 0.4485 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 45.4071, 0.3923, 0.4485

Background



This preview shows how black text looks on a background with the Yxy color 45.4071, 0.3923, 0.4485.



This preview shows how white text looks on a background with the Yxy color 45.4071, 0.3923, 0.4485.

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

45.4071, 0.3923, 0.4485

Protanopia

45.4892, 0.4045, 0.4419

Deuteranopia

45.2707, 0.4288, 0.4191



Tritanopia

45.1923, 0.3252, 0.3116

Trichromacy



Original Color

45.4071, 0.3923, 0.4485

Protanomaly

45.3544, 0.4000, 0.4447

Deuteranomaly

44.9706, 0.4153, 0.4292

Tritanomaly

44.8871, 0.3513, 0.3616

Monochromacy



Original Color

45.4071, 0.3923, 0.4485

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.0112, 0.3430, 0.3756

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4071, 0.3923, 0.4485 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(189, 183, 89)` looks like.

```
.text, #text, p{  
    color:rgb(189, 183, 89)  
}
```

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(189, 183, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 183, 89) }
```

Border

The CSS property to change the border of an element to Yxy 45.4071, 0.3923, 0.4485 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(189, 183, 89) }
```

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

```
.border{ border-color:rgb(189, 183, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 183, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 183, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 183, 89);  
box-shadow:4px 4px 4px 4px rgb(189, 183,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4071, 0.3923, 0.4485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 183, 89) }
```

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

```
.background{ background-color: rgb(189,  
183, 89) }
```

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