

Converting Colors

$Y_{xy}(45.3925, 0.3905, 0.4391)$

Have a look what the booklet for
Yxy(45.3925, 0.3905, 0.4391)
contains.

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Color

Yxy(45.3768, 0.3900, 0.4388)

Conversions

Conversions Part 1

Format	Color
Hex	BFB660
RGB	191, 182, 96
RGB Percent	75%, 71%, 38%
CMY	0.2509, 0.2863, 0.6234
CMYK	0.00, 0.05, 0.50, 0.25
HSL	54°, 43%, 56%
HSV	54°, 50%, 75%
XYZ	40.3303, 45.3768, 17.7040
YIQ	174.8870, 32.9700, -24.8380

Conversions

Conversions Part 2

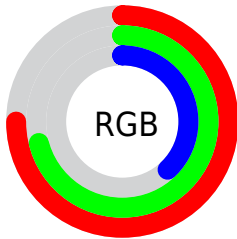
Format	Color
RYB	106, 191, 96
Decimal	12564064
CIELab	73.14, -8.50, 44.53
CIELCh	73, 45.331, 100.805
Yxy	45.3768, 0.3900, 0.4388
Android (android.graphics.Color)	4290754144 (0xFFBFB660)
YUV	174.8870, -38.8913, 14.1311
Hunter-Lab	67.3623, -11.0147, 31.5712

Details

The Yxy color **45.3768, 0.3900, 0.4388** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **16.3638, 0.2215, 0.1879**, and the grayscale version is **43.0039, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4269, 0.3776, 0.4201**, and **21.0487, 0.4069, 0.4671** is the 20% darker color. If you saturate the color by 10%, you get **44.3300, 0.4039, 0.4569**, and if you desaturate by 10%, it is **46.5229, 0.3748, 0.4182**.

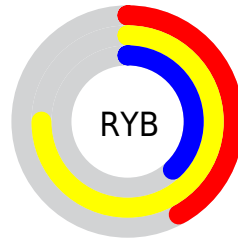
Distribution



Red (75%)

Green (71%)

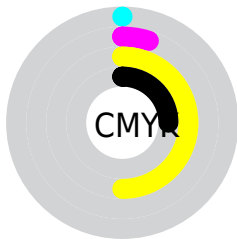
Blue (38%)



Red (42%)

Yellow (75%)

Blue (38%)

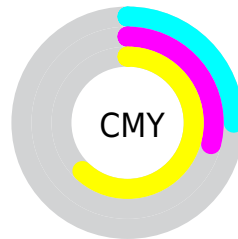


Cyan (0%)

Magenta (5%)

Yellow (50%)

Black (25%)



Cyan (25%)


Magenta (29%)


Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.3768, 0.3900, 0.4388 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 45.3768, 0.3900, 0.4388 by changing the saturation by 10% instead.


 45.3768, 0.3900,
0.4388

 45.3768, 0.3900,
0.4388


368.2975, 0.3534,
0.3843

 31.7543, 0.3980,
0.4517


 83.2856, 0.3774,
0.4194

 21.1739, 0.4074,
0.4675


 108.3406, 0.3725,
0.4120

 13.2512, 0.4182,
0.4871


 137.9753, 0.3682,
0.4057

 7.6017, 0.4296,
0.5111

 172.5741, 0.3644,
0.4002

 3.8412, 0.4487,
0.5513

212.5213, 0.3612,
0.3955

 1.5851, 0.4351,
0.5649

258.2013, 0.3583,

 0.3475, 0.2612,

0.3913

0.7388

309.9986, 0.3557,
0.3876

0.0000, 0.0000,
0.0000

45.3768, 0.3900,
0.4388

45.3768, 0.3900,
0.4388

44.3300, 0.4039,
0.4569

46.5229, 0.3748,
0.4182

43.3699, 0.4159,
0.4717

47.7678, 0.3589,
0.3960

42.4913, 0.4255,
0.4823


49.1187, 0.3429,
0.3731

41.6859, 0.4324,
0.4886

50.5805, 0.3272,
0.3504


40.9374, 0.4370,
0.4911


52.1577, 0.3123,
0.3284

 40.9177, 0.4371,
0.4912

 53.8545, 0.2983,
0.3075

 55.6750, 0.2854,
0.2879

 57.6229, 0.2735,
0.2698

 58.8399, 0.2701,
0.2657

Harmonies

Analogous

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



45.3768, 0.4306, 0.4042



45.3768, 0.3900, 0.4388



45.3768, 0.3310, 0.4430

Triad

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



45.3768, 0.3900, 0.4388



45.3768, 0.2013, 0.2805



45.3768, 0.3487, 0.2672

Complementary

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



45.3768, 0.3900, 0.4388



16.3638, 0.2215, 0.1879

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.



45.3768, 0.2841, 0.2392



45.3768, 0.3900, 0.4388



45.3768, 0.2049, 0.2427

Square

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



45.3768, 0.3900, 0.4388



45.3768, 0.2237, 0.3405



45.3768, 0.2333, 0.2298



45.3768, 0.4078, 0.3088

Rectangle

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



45.3768, 0.3900, 0.4388



45.3768, 0.2895, 0.4221



45.3768, 0.2333, 0.2298



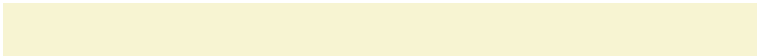
45.3768, 0.3266, 0.2561

Sweetspot

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



45.3789, 0.3900, 0.4388



89.0991, 0.3358, 0.3629



20.4799, 0.4367, 0.3165



19.4442, 0.3391, 0.3678



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



45.3789, 0.3900, 0.4388



79.1559, 0.4055, 0.4589



44.8915, 0.3503, 0.4641



10.9613, 0.3267, 0.3496



26.9474, 0.4368, 0.4914



1.1011, 0.4321, 0.4951

Inverse Universe

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



16.3638, 0.2215, 0.1879



21.2059, 0.1992, 0.1515



17.2026, 0.2546, 0.1869



9.3673, 0.2984, 0.3076



2.8144, 0.1521, 0.0674



0.1600, 0.1592, 0.0931

Previews

White Background



This preview shows how the Yxy color 45.3768, 0.3900, 0.4388 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 45.3768, 0.3900, 0.4388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

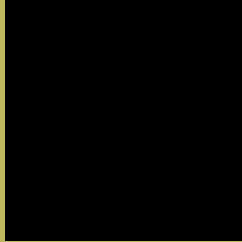
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.3768, 0.3900, 0.4388

Background



This preview shows how black text looks on a background with the Yxy color 45.3768, 0.3900, 0.4388.



This preview shows how white text looks on a background with the Yxy color 45.3768, 0.3900, 0.4388.

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

45.3768, 0.3900, 0.4388

Protanopia

45.4745, 0.3986, 0.4349

Deuteranopia

45.0867, 0.4215, 0.4129



Tritanopia

45.2872, 0.3269, 0.3128

Trichromacy



Original Color

45.3768, 0.3900, 0.4388

Protanomaly

45.4761, 0.3951, 0.4372

Deuteranomaly

45.0971, 0.4101, 0.4220

Tritanomaly

45.2209, 0.3514, 0.3587

Monochromacy



Original Color

45.3768, 0.3900, 0.4388

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

43.7399, 0.3420, 0.3725

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3768, 0.3900, 0.4388 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(191, 182, 96)` looks like.

```
.text, #text, p{  
    color:rgb(191, 182, 96)  
}
```

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(191, 182, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 182, 96) }
```

Border

The CSS property to change the border of an element to Yxy 45.3768, 0.3900, 0.4388 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(191, 182, 96) }
```

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

```
.border{ border-color:rgb(191, 182, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 182, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 182, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 182, 96);  
box-shadow:4px 4px 4px 4px rgb(191, 182,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3768, 0.3900, 0.4388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 182, 96) }
```

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

```
.background{ background-color: rgb(191,  
182, 96) }
```

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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