

Converting Colors

$Y_{xy}(45.7110, 0.4071, 0.4345)$

Have a look what the booklet for
Yxy(45.7110, 0.4071, 0.4345)
contains.

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Color

Yxy(45.8503, 0.4071, 0.4345)

Conversions

Conversions Part 1

Format	Color
Hex	CCB35C
RGB	204, 179, 92
RGB Percent	80%, 70%, 36%
CMY	0.1999, 0.2981, 0.6391
CMYK	0.00, 0.12, 0.55, 0.20
HSL	47°, 52%, 58%
HSV	47°, 55%, 80%
XYZ	42.9589, 45.8503, 16.7150
YIQ	176.5570, 42.8270, -21.7570

Conversions

Conversions Part 2

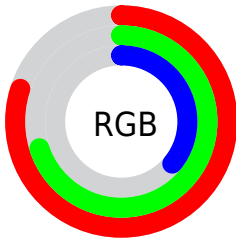
Format	Color
RYB	124, 204, 92
Decimal	13415260
CIELab	73.45, -1.84, 47.13
CIELCh	73, 47.168, 92.234
Yxy	45.8503, 0.4071, 0.4345
Android (android.graphics.Color)	4291605340 (0xFFCCB35C)
YUV	176.5570, -41.6866, 24.0675
Hunter-Lab	67.7128, -5.2521, 32.7631

Details

The Yxy color **45.8503, 0.4071, 0.4345** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted orange. A complement of this color would be **19.3702, 0.2151, 0.1922**, and the grayscale version is **43.9309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6903, 0.3857, 0.4197**, and **21.5419, 0.4281, 0.4606** is the 20% darker color. If you saturate the color by 10%, you get **43.7451, 0.4240, 0.4493**, and if you desaturate by 10%, it is **48.1163, 0.3891, 0.4170**.

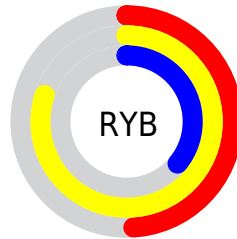
Distribution



Red (80%)

Green (70%)

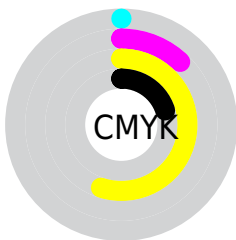
Blue (36%)



Red (49%)

Yellow (80%)

Blue (36%)

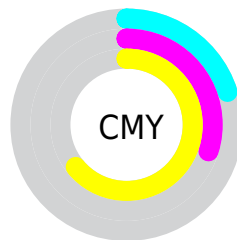


Cyan (0%)

Magenta (12%)

Yellow (55%)

Black (20%)



Cyan (20%)


Magenta (30%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.8503, 0.4071, 0.4345 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 45.8503, 0.4071, 0.4345 by changing the saturation by 10% instead.


 45.8503, 0.4071,
0.4345

 45.8503, 0.4071,
0.4345


370.2065, 0.3620,
0.3836

 32.1277, 0.4171,
0.4459


 83.9949, 0.3916,
0.4168

 21.4591, 0.4288,
0.4596


 109.1857, 0.3854,
0.4099

 13.4600, 0.4426,
0.4758


 138.9681, 0.3802,
0.4040

 7.7460, 0.4582,
0.4948

 173.7263, 0.3756,
0.3988

 3.9329, 0.4792,
0.5208

213.8449, 0.3715,
0.3943

 1.6361, 0.4764,
0.5236

259.7082, 0.3680,

 0.3817, 0.4544,

0.3903

0.5456

311.7006, 0.3648,
0.3868

■ 0.0000, 0.0000,
0.0000

■ 45.8503, 0.4071,
0.4345

■ 45.8503, 0.4071,
0.4345

■ 43.7451, 0.4240,
0.4493

■ 48.1163, 0.3891,
0.4170

■ 41.7857, 0.4392,
0.4603

■ 50.5443, 0.3709,
0.3977

■ 39.9646, 0.4518,
0.4669

■ 53.1433, 0.3531,
0.3777

■ 38.2701, 0.4614,
0.4688

■ 55.9196, 0.3360,
0.3577

■ 37.4433, 0.4656,
0.4685

■ 58.8795, 0.3201,
0.3382

■ 62.0283, 0.3054,
0.3197

■ 65.3716, 0.2920,
0.3022

■ 68.8989, 0.2800,
0.2863

■ 71.2597, 0.2803,
0.2914

Harmonies

Analogous

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



45.8503, 0.4410, 0.3929



45.8503, 0.4071, 0.4345



45.8503, 0.3497, 0.4505

Triad

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



45.8503, 0.4071, 0.4345



45.8503, 0.2015, 0.2943



45.8503, 0.3303, 0.2553

Complementary

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



45.8503, 0.4071, 0.4345



19.3702, 0.2151, 0.1922

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.



45.8503, 0.2659, 0.2315



45.8503, 0.4071, 0.4345



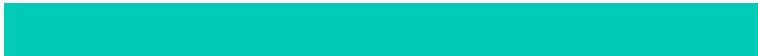
45.8503, 0.1977, 0.2481

Square

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



45.8503, 0.4071, 0.4345



45.8503, 0.2320, 0.3609



45.8503, 0.2197, 0.2279



45.8503, 0.3958, 0.2947

Rectangle

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



45.8503, 0.4071, 0.4345



45.8503, 0.3066, 0.4376



45.8503, 0.2197, 0.2279



45.8503, 0.3076, 0.2453

Sweetspot

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



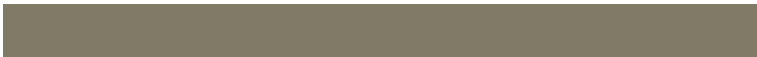
45.8525, 0.4071, 0.4345



91.9661, 0.3382, 0.3603



21.8099, 0.4354, 0.2966



19.4758, 0.3417, 0.3645



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



45.8525, 0.4071, 0.4345



71.7731, 0.4272, 0.4518



52.9858, 0.3656, 0.4722



12.6549, 0.3271, 0.3469



23.7056, 0.4648, 0.4691



1.3304, 0.4542, 0.4776

Inverse Universe

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



19.3702, 0.2151, 0.1922



23.7236, 0.1939, 0.1576



16.1478, 0.2322, 0.1649



11.2438, 0.2983, 0.3105



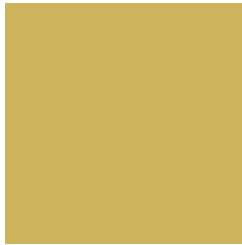
4.0693, 0.1569, 0.0849



0.3271, 0.1674, 0.1226

Previews

White Background



This preview shows how the Yxy color 45.8503, 0.4071, 0.4345 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 45.8503, 0.4071, 0.4345 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 45.8503, 0.4071, 0.4345

Background



This preview shows how black text looks on a background with the Yxy color 45.8503, 0.4071, 0.4345.

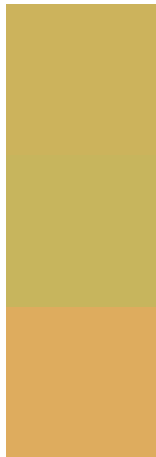


This preview shows how white text looks on a background with the Yxy color 45.8503, 0.4071, 0.4345.

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

45.8503, 0.4071, 0.4345

Protanopia

45.9802, 0.4003, 0.4377

Deuteranopia

45.8428, 0.4275, 0.4179



Tritanopia

45.7504, 0.3410, 0.3134

Trichromacy



Original Color

45.8503, 0.4071, 0.4345

Protanomaly

45.8503, 0.4029, 0.4358

Deuteranomaly

45.8973, 0.4195, 0.4248

Tritanomaly

45.6124, 0.3673, 0.3590

Monochromacy



Original Color

45.8503, 0.4071, 0.4345

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.4809, 0.3476, 0.3717

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8503, 0.4071, 0.4345 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(204, 179, 92)` looks like.

```
.text, #text, p{  
    color:rgb(204, 179, 92)  
}
```

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(204, 179, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 179, 92) }
```

Border

The CSS property to change the border of an element to Yxy 45.8503, 0.4071, 0.4345 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(204, 179, 92) }
```

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

```
.border{ border-color:rgb(204, 179, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 179, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 179, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 179, 92);  
box-shadow:4px 4px 4px 4px rgb(204, 179,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8503, 0.4071, 0.4345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 179, 92) }
```

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

```
.background{ background-color: rgb(204,  
179, 92) }
```

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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