

Converting Colors

$Y_{xy}(45.8390, 0.4062, 0.4469)$

Have a look what the booklet for
Yxy(45.8390, 0.4062, 0.4469)
contains.

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Color

Yxy(45.8300, 0.4064, 0.4469)

Conversions

Conversions Part 1

Format	Color
Hex	C7B554
RGB	199, 181, 84
RGB Percent	78%, 71%, 33%
CMY	0.2196, 0.2902, 0.6704
CMYK	0.00, 0.09, 0.58, 0.22
HSL	51°, 51%, 55%
HSV	51°, 58%, 78%
XYZ	41.6767, 45.8300, 15.0442
YIQ	175.3240, 41.8650, -26.3510

Conversions

Conversions Part 2

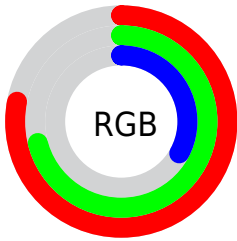
Format	Color
RYB	105, 199, 84
Decimal	13088084
CIELab	73.44, -5.64, 50.80
CIELCh	73, 51.115, 96.332
Yxy	45.8300, 0.4064, 0.4469
Android (android.graphics.Color)	4291278164 (0xFFC7B554)
YUV	175.3240, -45.0227, 20.7639
Hunter-Lab	67.6979, -8.5817, 34.2127

Details

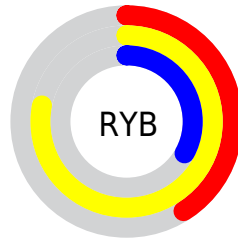
The Yxy color **45.8300, 0.4064, 0.4469** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted orange. A complement of this color would be **15.5167, 0.2074, 0.1719**, and the grayscale version is **43.2705, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6345, 0.3890, 0.4278**, and **21.2881, 0.4268, 0.4751** is the 20% darker color. If you saturate the color by 10%, you get **44.3112, 0.4207, 0.4616**, and if you desaturate by 10%, it is **47.4700, 0.3905, 0.4290**.

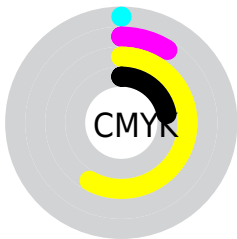
Distribution



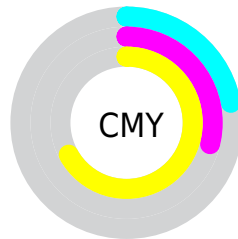
- Red (78%)
- Green (71%)
- Blue (33%)



- Red (41%)
- Yellow (78%)
- Blue (33%)



- Cyan (0%)
- Magenta (9%)
- Yellow (58%)
- Black (22%)




- Cyan (22%)
- Magenta (29%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.8300, 0.4064, 0.4469 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 45.8300, 0.4064, 0.4469 by changing the saturation by 10% instead.


 45.8300, 0.4064,
0.4469

 45.8300, 0.4064,
0.4469


370.1248, 0.3624,
0.3898

 32.1117, 0.4157,
0.4597


 83.9645, 0.3915,
0.4270

 21.4468, 0.4264,
0.4750


 109.1495, 0.3856,
0.4193


 13.4510, 0.4383,
0.4929


 138.9255, 0.3804,
0.4126

 7.7398, 0.4523,
0.5158

 173.6770, 0.3759,
0.4068

 3.9289, 0.4621,
0.5379

 213.7882, 0.3719,
0.4017

 1.6339, 0.4533,
0.5467

259.6437, 0.3684,

 0.3803, 0.3705,

0.3973

0.6295

311.6277, 0.3652,
0.3933

0.0000, 0.0000,
0.0000

45.8300, 0.4064,
0.4469

45.8300, 0.4064,
0.4469

44.3112, 0.4207,
0.4616

47.4700, 0.3905,
0.4290

42.8992, 0.4327,
0.4724

49.2316, 0.3738,
0.4090

41.5870, 0.4421,
0.4787

51.1235, 0.3569,
0.3878

40.3611, 0.4487,
0.4806

53.1514, 0.3403,
0.3662

40.0944, 0.4501,
0.4808

55.3207, 0.3244,
0.3450

■ 57.6364, 0.3095,
0.3245

■ 60.1034, 0.2957,
0.3052

■ 62.7261, 0.2831,
0.2873

■ 64.9740, 0.2763,
0.2787

Harmonies

Analogous

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



45.8300, 0.4481, 0.4035



45.8300, 0.4064, 0.4469



45.8300, 0.3423, 0.4603

Triad

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



45.8300, 0.4064, 0.4469



45.8300, 0.1912, 0.2823



45.8300, 0.3416, 0.2548

Complementary

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



45.8300, 0.4064, 0.4469



15.5167, 0.2074, 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.



45.8300, 0.2706, 0.2269



45.8300, 0.4064, 0.4469



45.8300, 0.1912, 0.2370

Square

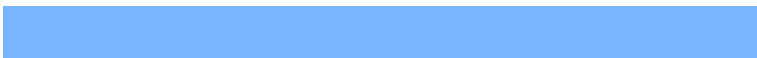
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



45.8300, 0.4064, 0.4469



45.8300, 0.2194, 0.3528



45.8300, 0.2181, 0.2197



45.8300, 0.4111, 0.2984

Rectangle

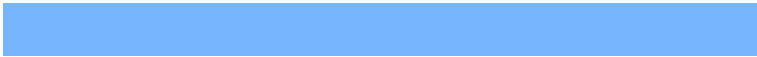
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.8300, 0.4064, 0.4469



45.8300, 0.2960, 0.4422



45.8300, 0.2181, 0.2197



45.8300, 0.3168, 0.2435

Sweetspot

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



45.8322, 0.4064, 0.4469



93.2648, 0.3394, 0.3651



19.4706, 0.4577, 0.3054



19.8028, 0.3428, 0.3695



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.



45.8322, 0.4064, 0.4469



77.0228, 0.4236, 0.4644



49.0265, 0.3608, 0.4825



12.1234, 0.3269, 0.3483



25.8896, 0.4496, 0.4812



1.3041, 0.4423, 0.4870

Inverse Universe

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



15.5167, 0.2074, 0.1719



19.3117, 0.1856, 0.1353



14.6332, 0.2346, 0.1592



10.5510, 0.2983, 0.3089



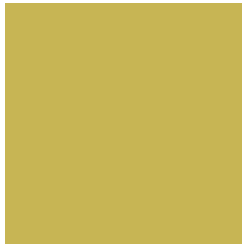
3.3697, 0.1540, 0.0742



0.2468, 0.1632, 0.1076

Previews

White Background



This preview shows how the Yxy color 45.8300, 0.4064, 0.4469 looks on a white background.

Color Contrast Check

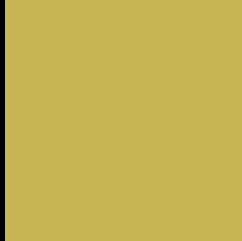
Large Text (above 18pt) WCAG AA × Fail

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 45.8300, 0.4064, 0.4469 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 45.8300, 0.4064, 0.4469

Background



This preview shows how black text looks on a background with the Yxy color 45.8300, 0.4064, 0.4469.

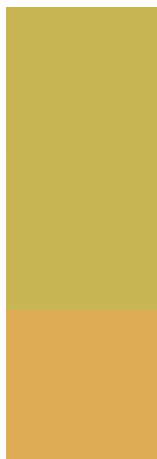


This preview shows how white text looks on a background with the Yxy color 45.8300, 0.4064, 0.4469.

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

45.8300, 0.4064, 0.4469

Protanopia

45.9672, 0.4074, 0.4465

Deuteranopia

45.8649, 0.4343, 0.4250



Tritanopia

45.6200, 0.3354, 0.3120

Trichromacy



Original Color

45.8300, 0.4064, 0.4469

Protanomaly

45.9672, 0.4074, 0.4465

Deuteranomaly

45.6120, 0.4243, 0.4329

Tritanomaly

45.3894, 0.3640, 0.3619

Monochromacy



Original Color

45.8300, 0.4064, 0.4469

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

43.5876, 0.3485, 0.3763

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8300, 0.4064, 0.4469 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(199, 181, 84)` looks like.

```
.text, #text, p{  
    color:rgb(199, 181, 84)  
}
```

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(199, 181, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 181, 84) }
```

Border

The CSS property to change the border of an element to Yxy 45.8300, 0.4064, 0.4469 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(199, 181, 84) }
```

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

```
.border{ border-color:rgb(199, 181, 84) }
```

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

Here you see how a box with a 4 pixel rgb(199, 181, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 181, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 181, 84);  
box-shadow:4px 4px 4px 4px rgb(199, 181,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8300, 0.4064, 0.4469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 181, 84) }
```

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

```
.background{ background-color: rgb(199,  
181, 84) }
```

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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