

Converting Colors

$Y_{xy}(46.2378, 0.3994, 0.4243)$

Have a look what the booklet for
Yxy(46.2378, 0.3994, 0.4243)
contains.

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Color

Yxy(46.4392, 0.3991, 0.4249)

Conversions

Conversions Part 1

Format	Color
Hex	CCB466
RGB	204, 180, 102
RGB Percent	80%, 71%, 40%
CMY	0.2000, 0.2941, 0.6000
CMYK	0.00, 0.12, 0.50, 0.20
HSL	46°, 50%, 60%
HSV	46°, 50%, 80%
XYZ	43.6194, 46.4392, 19.2358
YIQ	178.2840, 39.3420, -19.1700

Conversions

Conversions Part 2

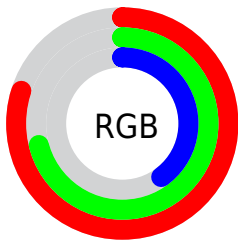
Format	Color
RYB	133, 204, 102
Decimal	13415526
CIELab	73.83, -1.53, 42.66
CIELCh	74, 42.683, 92.048
Yxy	46.4392, 0.3991, 0.4249
Android (android.graphics.Color)	4291605606 (0xFFCCB466)
YUV	178.2840, -37.6080, 22.5529
Hunter-Lab	68.1463, -5.0010, 30.9665

Details

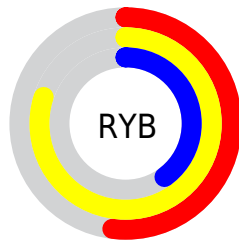
The Yxy color **46.4392, 0.3991, 0.4249** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **22.1023, 0.2247, 0.2084**, and the grayscale version is **44.8674, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6175, 0.3785, 0.4102**, and **21.7226, 0.4210, 0.4478** is the 20% darker color. If you saturate the color by 10%, you get **44.1817, 0.4170, 0.4410**, and if you desaturate by 10%, it is **48.8676, 0.3806, 0.4066**.

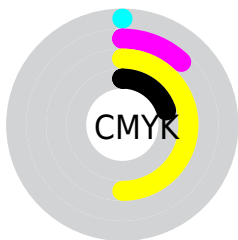
Distribution



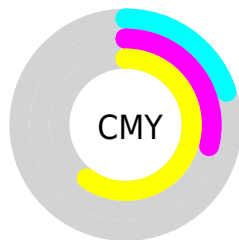
- Red (80%)
- Green (71%)
- Blue (40%)



- Red (52%)
- Yellow (80%)
- Blue (40%)



- Cyan (0%)
- Magenta (12%)
- Yellow (50%)
- Black (20%)





- Cyan (20%)
- Magenta (29%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.4392, 0.3991, 0.4249 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 46.4392, 0.3991, 0.4249 by changing the saturation by 10% instead.


 46.4392, 0.3991,
0.4249

 46.4392, 0.3991,
0.4249

372.5716, 0.3575,
0.3783


 32.5925, 0.4085,
0.4356


 84.8759, 0.3846,
0.4086


 21.8145, 0.4199,
0.4486


 110.2348, 0.3789,
0.4022

 13.7207, 0.4336,
0.4644

 140.1998, 0.3741,
0.3968

 7.9266, 0.4496,
0.4832

 175.1554, 0.3699,
0.3921

 4.0480, 0.4806,
0.5194

215.4860, 0.3662,
0.3880

 1.7005, 0.4784,
0.5216

261.5760, 0.3629,

 0.4240, 0.4631,

0.3844

0.5369

313.8097, 0.3600,
0.3812

0.0000, 0.0000,
0.0000

46.4392, 0.3991,
0.4249

46.4392, 0.3991,
0.4249

44.1817, 0.4170,
0.4410

48.8676, 0.3806,
0.4066

42.0806, 0.4335,
0.4538

51.4678, 0.3623,
0.3871

40.1288, 0.4479,
0.4625

54.2488, 0.3447,
0.3673

38.3156, 0.4595,
0.4664

57.2166, 0.3281,
0.3478

36.6215, 0.4684,
0.4663

60.3774, 0.3127,
0.3290

■ 36.6206, 0.4684,
0.4663

■ 63.7366, 0.2986,
0.3112

■ 67.2995, 0.2859,
0.2947

■ 70.3969, 0.2802,
0.2896

■ 72.9266, 0.2805,
0.2948

Harmonies

Analogous

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



46.4392, 0.4290, 0.3880



46.4392, 0.3991, 0.4249



46.4392, 0.3474, 0.4379

Triad

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



46.4392, 0.3991, 0.4249



46.4392, 0.2115, 0.2987



46.4392, 0.3285, 0.2615

Complementary

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



46.4392, 0.3991, 0.4249



22.1023, 0.2247, 0.2084

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.



46.4392, 0.2702, 0.2397



46.4392, 0.3991, 0.4249



46.4392, 0.2076, 0.2562

Square

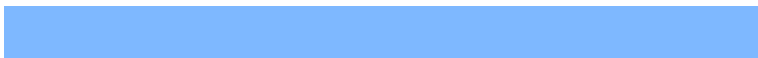
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



46.4392, 0.3991, 0.4249



46.4392, 0.2399, 0.3583



46.4392, 0.2279, 0.2369



46.4392, 0.3873, 0.2978

Rectangle

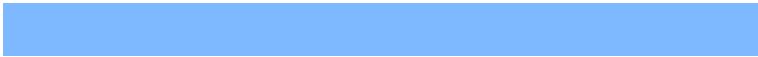
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.4392, 0.3991, 0.4249



46.4392, 0.3082, 0.4260



46.4392, 0.2279, 0.2369



46.4392, 0.3080, 0.2524

Sweetspot

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



46.4414, 0.3991, 0.4249



92.1719, 0.3366, 0.3579



23.8851, 0.4164, 0.2967



19.5057, 0.3402, 0.3621



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.



46.4414, 0.3991, 0.4249



72.8946, 0.4184, 0.4421



53.6636, 0.3635, 0.4594



12.6321, 0.3271, 0.3466



23.2008, 0.4676, 0.4669



1.3082, 0.4563, 0.4759

Inverse Universe

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



22.1023, 0.2247, 0.2084



28.2150, 0.2049, 0.1773



18.4135, 0.2393, 0.1800



11.2651, 0.2983, 0.3107



4.1934, 0.1575, 0.0871



0.3368, 0.1682, 0.1255

Previews

White Background



This preview shows how the Yxy color 46.4392, 0.3991, 0.4249 looks on a white background.

Color Contrast Check

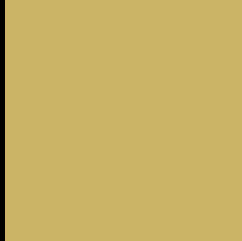
Large Text (above 18pt) WCAG AA × Fail

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 46.4392, 0.3991, 0.4249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

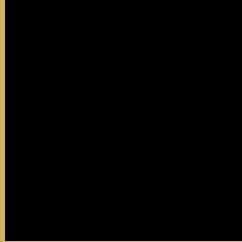
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.4392, 0.3991, 0.4249

Background



This preview shows how black text looks on a background with the Yxy color 46.4392, 0.3991, 0.4249.

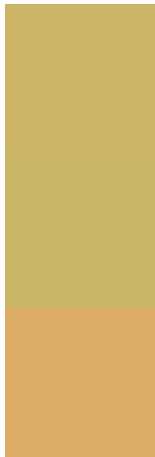


This preview shows how white text looks on a background with the Yxy color 46.4392, 0.3991, 0.4249.

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

46.4392, 0.3991, 0.4249

Protanopia

46.5773, 0.3925, 0.4278

Deuteranopia

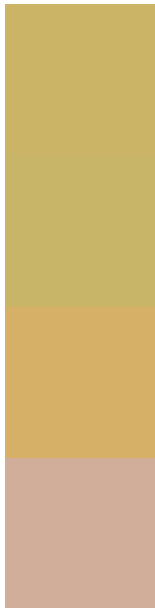
46.2588, 0.4180, 0.4092



Tritanopia

46.2072, 0.3390, 0.3122

Trichromacy



Original Color

46.4392, 0.3991, 0.4249

Protanomaly

46.4445, 0.3949, 0.4260

Deuteranomaly

46.4770, 0.4112, 0.4155

Tritanomaly

46.1605, 0.3624, 0.3540

Monochromacy



Original Color

46.4392, 0.3991, 0.4249

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.0070, 0.3440, 0.3676

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4392, 0.3991, 0.4249 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, 180, 102)` looks like.

```
.text, #text, p{  
    color:rgb(204, 180, 102)  
}
```

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, 180, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 180, 102) }
```

Border

The CSS property to change the border of an element to Yxy 46.4392, 0.3991, 0.4249 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, 180, 102) }
```

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

```
.border{ border-color:rgb(204, 180, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 180, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 180, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 180, 102);  
box-shadow:4px 4px 4px 4px rgb(204, 180,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4392, 0.3991, 0.4249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 180, 102) }
```

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

```
.background{ background-color: rgb(204,  
180, 102) }
```

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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