

Converting Colors

$Y_{xy}(48.2569, 0.3971, 0.4298)$

Have a look what the booklet for
Yxy(48.2569, 0.3971, 0.4298)
contains.

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Color

Yxy(48.0777, 0.3967, 0.4292)

Conversions

Conversions Part 1

Format	Color
Hex	CCB866
RGB	204, 184, 102
RGB Percent	80%, 72%, 40%
CMY	0.2001, 0.2784, 0.6001
CMYK	0.00, 0.10, 0.50, 0.20
HSL	48°, 50%, 60%
HSV	48°, 50%, 80%
XYZ	44.4371, 48.0777, 19.5022
YIQ	180.6320, 38.2420, -21.2620

Conversions

Conversions Part 2

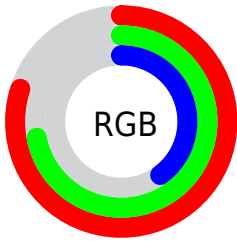
Format	Color
RYB	127, 204, 102
Decimal	13416550
CIELab	74.87, -3.63, 43.94
CIElCh	75, 44.091, 94.725
Yxy	48.0777, 0.3967, 0.4292
Android (android.graphics.Color)	4291606630 (0xFFCCB866)
YUV	180.6320, -38.7656, 20.4937
Hunter-Lab	69.3381, -6.9452, 31.8606

Details

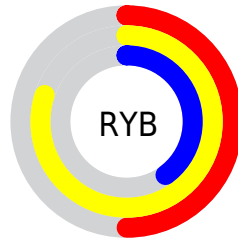
The Yxy color **48.0777, 0.3967, 0.4292** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **21.0907, 0.2235, 0.2021**, and the grayscale version is **46.1965, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9467, 0.3770, 0.4137**, and **22.7764, 0.4168, 0.4531** is the 20% darker color. If you saturate the color by 10%, you get **46.0874, 0.4134, 0.4459**, and if you desaturate by 10%, it is **50.2189, 0.3792, 0.4102**.

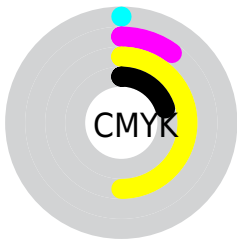
Distribution



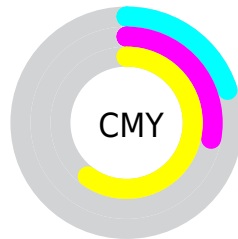
- Red (80%)
- Green (72%)
- Blue (40%)



- Red (50%)
- Yellow (80%)
- Blue (40%)



- Cyan (0%)
- Magenta (10%)
- Yellow (50%)
- Black (20%)



- Cyan (20%)
- Magenta (28%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.0777, 0.3967, 0.4292 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 48.0777, 0.3967, 0.4292 by changing the saturation by 10% instead.


 48.0777, 0.3967,
0.4292


 48.0777, 0.3967,
0.4292


379.1000, 0.3567,
0.3806


 33.8884, 0.4056,
0.4404


 87.3201, 0.3829,
0.4121


 22.8079, 0.4162,
0.4539


 113.1420, 0.3774,
0.4055

 14.4517, 0.4289,
0.4705


 143.6102, 0.3728,
0.3999

 8.4355, 0.4433,
0.4904

 179.1091, 0.3687,
0.3950

 4.3749, 0.4717,
0.5283

220.0232, 0.3651,
0.3907

 1.8854, 0.4666,
0.5334

266.7368, 0.3620,

 0.5396, 0.4401,

0.3869

0.5599

319.6342, 0.3592,
0.3836

0.0000, 0.0000,
0.0000

48.0777, 0.3967,
0.4292

48.0777, 0.3967,
0.4292

46.0874, 0.4134,
0.4459

50.2189, 0.3792,
0.4102

44.2335, 0.4286,
0.4593

52.5113, 0.3615,
0.3899

42.5094, 0.4414,
0.4685

54.9638, 0.3444,
0.3692

40.9046, 0.4515,
0.4731

57.5822, 0.3280,
0.3487

39.4009, 0.4590,
0.4737

60.3722, 0.3127,
0.3290

■ 63.3391, 0.2987,
0.3103

■ 66.4879, 0.2858,
0.2929

■ 69.1511, 0.2800,
0.2869

■ 71.2226, 0.2803,
0.2913

Harmonies

Analogous

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



48.0777, 0.4299, 0.3929



48.0777, 0.3967, 0.4292



48.0777, 0.3427, 0.4398

Triad

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



48.0777, 0.3967, 0.4292



48.0777, 0.2082, 0.2932



48.0777, 0.3344, 0.2630

Complementary

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



48.0777, 0.3967, 0.4292



21.0907, 0.2235, 0.2021

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.



48.0777, 0.2741, 0.2394



48.0777, 0.3967, 0.4292



48.0777, 0.2066, 0.2519

Square

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



48.0777, 0.3967, 0.4292



48.0777, 0.2349, 0.3532



48.0777, 0.2292, 0.2346



48.0777, 0.3936, 0.3010

Rectangle

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



48.0777, 0.3967, 0.4292



48.0777, 0.3027, 0.4253



48.0777, 0.2292, 0.2346



48.0777, 0.3134, 0.2533

Sweetspot

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



48.0799, 0.3967, 0.4292



93.0903, 0.3364, 0.3593



23.7488, 0.4238, 0.3033



19.7285, 0.3399, 0.3637



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.



48.0799, 0.3967, 0.4292



76.0903, 0.4146, 0.4471



53.0667, 0.3592, 0.4614



12.7088, 0.3270, 0.3475



24.9349, 0.4584, 0.4742



1.3843, 0.4494, 0.4814

Inverse Universe

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



21.0907, 0.2235, 0.2021



26.5370, 0.2032, 0.1697



18.8102, 0.2440, 0.1818



11.1938, 0.2982, 0.3098



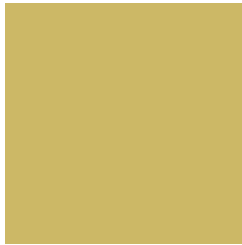
3.8019, 0.1556, 0.0801



0.3042, 0.1655, 0.1156

Previews

White Background



This preview shows how the Yxy color 48.0777, 0.3967, 0.4292 looks on a white background.

Color Contrast Check

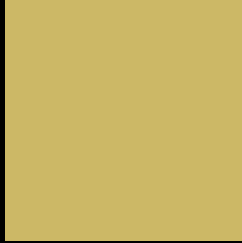
Large Text (above 18pt) WCAG AA × Fail

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 48.0777, 0.3967, 0.4292 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 48.0777, 0.3967, 0.4292

Background



This preview shows how black text looks on a background with the Yxy color 48.0777, 0.3967, 0.4292.



This preview shows how white text looks on a background with the Yxy color 48.0777, 0.3967, 0.4292.

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

48.0777, 0.3967, 0.4292

Protanopia

47.9368, 0.3958, 0.4295

Deuteranopia

48.0577, 0.4197, 0.4110



Tritanopia

47.9000, 0.3349, 0.3123

Trichromacy



Original Color

48.0777, 0.3967, 0.4292

Protanomaly

47.9368, 0.3958, 0.4295

Deuteranomaly

47.9712, 0.4112, 0.4180

Tritanomaly

47.8304, 0.3585, 0.3550

Monochromacy



Original Color

48.0777, 0.3967, 0.4292

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.5417, 0.3434, 0.3684

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0777, 0.3967, 0.4292 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, 184, 102)` looks like.

```
.text, #text, p{  
    color:rgb(204, 184, 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, 184, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 184, 102) }
```

Border

The CSS property to change the border of an element to Yxy 48.0777, 0.3967, 0.4292 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, 184, 102) }
```

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

```
.border{ border-color:rgb(204, 184, 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, 184, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(204, 184, 102); -webkit-box-shadow:4px 4px 4px 4px rgb(204, 184, 102); box-shadow:4px 4px 4px 4px rgb(204, 184, 102) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0777, 0.3967, 0.4292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 184, 102) }
```

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

```
.background{ background-color: rgb(204,  
184, 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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