

Converting Colors

$Y_{xy}(47.8201, 0.3860, 0.4257)$

Have a look what the booklet for
Yxy(47.8201, 0.3860, 0.4257)
contains.

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Color

Yxy(47.7864, 0.3861, 0.4257)

Conversions

Conversions Part 1

Format	Color
Hex	C6B96C
RGB	198, 185, 108
RGB Percent	78%, 73%, 42%
CMY	0.2236, 0.2745, 0.5765
CMYK	0.00, 0.07, 0.45, 0.22
HSL	51°, 44%, 60%
HSV	51°, 45%, 78%
XYZ	43.3412, 47.7864, 21.1261
YIQ	180.1090, 32.4650, -21.1910

Conversions

Conversions Part 2

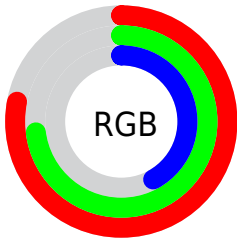
Format	Color
RYB	123, 198, 108
Decimal	13023596
CIELab	74.69, -6.06, 40.58
CIELCh	75, 41.027, 98.488
Yxy	47.7864, 0.3861, 0.4257
Android (android.graphics.Color)	4291213676 (0xFFC6B96C)
YUV	180.1090, -35.5497, 15.6904
Hunter-Lab	69.1277, -9.0589, 30.2698

Details

The Yxy color $47.7864, 0.3861, 0.4257$ is a light color, and the websafe version is hex `CCCC66`. A complement of this color would be $20.9328, 0.2312, 0.2085$, and the grayscale version is $45.8850, 0.3127, 0.3290$.

A 20% lighter version of the original color is $86.7438, 0.3730, 0.4089$, and $22.5588, 0.4032, 0.4510$ is the 20% darker color. If you saturate the color by 10%, you get $46.2314, 0.4019, 0.4444$, and if you desaturate by 10%, it is $49.4655, 0.3695, 0.4051$.

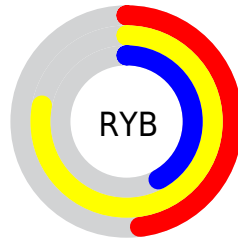
Distribution



Red (78%)

Green (73%)

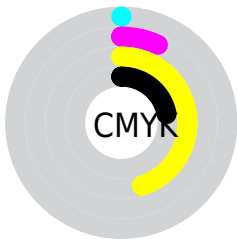
Blue (42%)



Red (48%)

Yellow (78%)

Blue (42%)

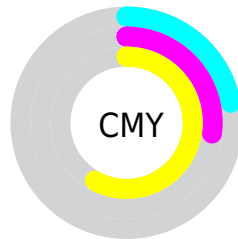


Cyan (0%)

Magenta (7%)

Yellow (45%)

Black (22%)



Cyan (22%)


Magenta (27%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.7864, 0.3861, 0.4257 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 47.7864, 0.3861, 0.4257 by changing the saturation by 10% instead.


 47.7864, 0.3861,
0.4257


 47.7864, 0.3861,
0.4257


377.9448, 0.3510,
0.3781

 33.6578, 0.3940,
0.4369


 86.8863, 0.3739,
0.4088


 22.6308, 0.4035,
0.4508


 112.6263, 0.3692,
0.4023

 14.3211, 0.4148,
0.4682


 143.0056, 0.3651,
0.3968

 8.3444, 0.4280,
0.4900

 178.4086, 0.3615,
0.3920

 4.3161, 0.4531,
0.5298

219.2196, 0.3584,
0.3878

 1.8519, 0.4523,
0.5477

265.8230, 0.3557,

 0.5192, 0.3997,

0.3842

0.6003

318.6033, 0.3532,
0.3810

0.0000, 0.0000,
0.0000

47.7864, 0.3861,
0.4257

47.7864, 0.3861,
0.4257

46.2314, 0.4019,
0.4444

49.4655, 0.3695,
0.4051

44.7872, 0.4162,
0.4601

51.2682, 0.3528,
0.3835

43.4485, 0.4284,
0.4719


53.2022, 0.3364,
0.3617


42.2065, 0.4380,
0.4794


55.2728, 0.3208,
0.3403

41.0506, 0.4448,
0.4825

57.4850, 0.3062,
0.3198

 40.5436, 0.4474,
0.4830

 59.8432, 0.2927,
0.3005

 62.3518, 0.2803,
0.2826

 64.2598, 0.2755,
0.2773

 65.6629, 0.2758,
0.2805

Harmonies

Analogous

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



47.7864, 0.4200, 0.3945



47.7864, 0.3861, 0.4257



47.7864, 0.3342, 0.4306

Triad

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



47.7864, 0.3861, 0.4257



47.7864, 0.2131, 0.2899



47.7864, 0.3405, 0.2709

Complementary

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



47.7864, 0.3861, 0.4257



20.9328, 0.2312, 0.2085

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.



47.7864, 0.2833, 0.2465



47.7864, 0.3861, 0.4257



47.7864, 0.2144, 0.2537

Square

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



47.7864, 0.3861, 0.4257



47.7864, 0.2356, 0.3443



47.7864, 0.2386, 0.2398



47.7864, 0.3939, 0.3081

Rectangle

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



47.7864, 0.3861, 0.4257



47.7864, 0.2969, 0.4137



47.7864, 0.2386, 0.2398



47.7864, 0.3209, 0.2611

Sweetspot

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



47.7886, 0.3861, 0.4257



94.6703, 0.3345, 0.3590



24.1214, 0.4148, 0.3114



20.0970, 0.3380, 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.



47.7886, 0.3861, 0.4257



81.7830, 0.4025, 0.4450



49.6233, 0.3518, 0.4508



12.1463, 0.3269, 0.3486



26.4680, 0.4469, 0.4833



1.3265, 0.4403, 0.4886

Inverse Universe

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



20.9328, 0.2312, 0.2085



28.1674, 0.2107, 0.1758



20.3332, 0.2562, 0.1982



10.5301, 0.2983, 0.3086



3.2855, 0.1535, 0.0726



0.2373, 0.1623, 0.1041

Previews

White Background



This preview shows how the Yxy color 47.7864, 0.3861, 0.4257 looks on a white background.

Color Contrast Check

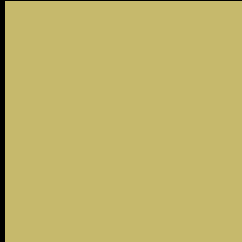
Large Text (above 18pt) WCAG AA × Fail

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 47.7864, 0.3861, 0.4257 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 47.7864, 0.3861, 0.4257

Background



This preview shows how black text looks on a background with the Yxy color 47.7864, 0.3861, 0.4257.

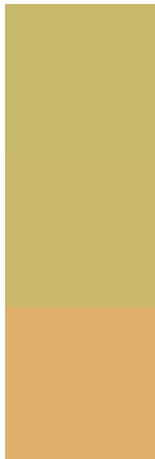


This preview shows how white text looks on a background with the Yxy color 47.7864, 0.3861, 0.4257.

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

47.7864, 0.3861, 0.4257

Protanopia

47.7812, 0.3895, 0.4236

Deuteranopia

47.4737, 0.4137, 0.4044



Tritanopia

47.4559, 0.3285, 0.3120

Trichromacy



Original Color

47.7864, 0.3861, 0.4257

Protanomaly

47.6430, 0.3885, 0.4239

Deuteranomaly

47.6405, 0.4037, 0.4126

Tritanomaly

47.4748, 0.3501, 0.3530

Monochromacy



Original Color

47.7864, 0.3861, 0.4257

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

46.3538, 0.3399, 0.3660

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7864, 0.3861, 0.4257 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(198, 185, 108)` looks like.

```
.text, #text, p{  
    color:rgb(198, 185, 108)  
}
```

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(198, 185, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 185, 108) }
```

Border

The CSS property to change the border of an element to Yxy 47.7864, 0.3861, 0.4257 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(198, 185, 108) }
```

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

```
.border{ border-color:rgb(198, 185, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 185, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 185, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 185, 108);  
box-shadow:4px 4px 4px 4px rgb(198, 185,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7864, 0.3861, 0.4257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 185, 108) }
```

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

```
.background{ background-color: rgb(198,  
185, 108) }
```

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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