

Converting Colors

$Yxy(47.8737, 0.4044, 0.4407)$

Have a look what the booklet for
Yxy(47.8737, 0.4044, 0.4407)
contains.

Yxy(47.8737, 0.4044, 0.4407)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.8737, 0.4044, 0.4407)

Conversions

Conversions Part 1

Format	Color
Hex	CCB85B
RGB	204, 184, 91
RGB Percent	80%, 72%, 36%
CMY	0.2000, 0.2784, 0.6431
CMYK	0.00, 0.10, 0.55, 0.20
HSL	49°, 53%, 58%
HSV	49°, 55%, 80%
XYZ	43.9304, 47.8737, 16.8269
YIQ	179.3780, 41.7730, -24.6830

Conversions

Conversions Part 2

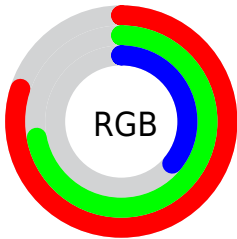
Format	Color
RYB	115, 204, 91
Decimal	13416539
CIELab	74.75, -4.56, 49.13
CIELCh	75, 49.340, 95.300
Yxy	47.8737, 0.4044, 0.4407
Android (android.graphics.Color)	4291606619 (0xFFCCB85B)
YUV	179.3780, -43.5704, 21.5935
Hunter-Lab	69.1908, -7.7514, 34.0145

Details

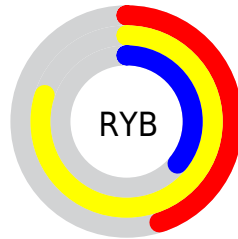
The Yxy color **47.8737, 0.4044, 0.4407** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted orange. A complement of this color would be **17.9558, 0.2125, 0.1826**, and the grayscale version is **45.5139, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5938, 0.3836, 0.4240**, and **22.5888, 0.4242, 0.4667** is the 20% darker color. If you saturate the color by 10%, you get **46.0898, 0.4198, 0.4560**, and if you desaturate by 10%, it is **49.7961, 0.3877, 0.4225**.

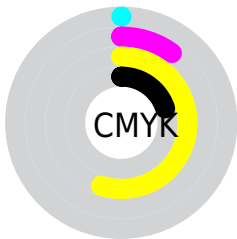
Distribution



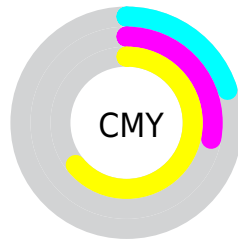
- Red (80%)
- Green (72%)
- Blue (36%)



- Red (45%)
- Yellow (80%)
- Blue (36%)



- Cyan (0%)
- Magenta (10%)
- Yellow (55%)
- Black (20%)





- Cyan (20%)
- Magenta (28%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.8737, 0.4044, 0.4407 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 47.8737, 0.4044, 0.4407 by changing the saturation by 10% instead.


 47.8737, 0.4044,
0.4407


 47.8737, 0.4044,
0.4407


378.2913, 0.3613,
0.3869


 33.7269, 0.4137,
0.4528


 87.0163, 0.3897,
0.4220


 22.6839, 0.4244,
0.4672


 112.7809, 0.3839,
0.4147

 14.3602, 0.4367,
0.4843


 143.1869, 0.3789,
0.4084

 8.3716, 0.4501,
0.5045

 178.6186, 0.3744,
0.4030

 4.3337, 0.4676,
0.5324

219.4606, 0.3706,
0.3982

 1.8619, 0.4611,
0.5389

266.0970, 0.3671,

 0.5253, 0.4249,

0.3940

0.5751

318.9125, 0.3641,
0.3902

0.0000, 0.0000,
0.0000

47.8737, 0.4044,
0.4407

47.8737, 0.4044,
0.4407

46.0898, 0.4198,
0.4560

49.7961, 0.3877,
0.4225

44.4293, 0.4331,
0.4675

51.8575, 0.3705,
0.4025

42.8850, 0.4438,
0.4745

54.0669, 0.3532,
0.3815

41.4454, 0.4517,
0.4770

56.4304, 0.3366,
0.3604

40.8056, 0.4547,
0.4772

58.9537, 0.3208,
0.3397

■ 61.6423, 0.3061,
0.3200

■ 64.5011, 0.2926,
0.3015

■ 67.5351, 0.2803,
0.2842

■ 69.4201, 0.2801,
0.2875

Harmonies

Analogous

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



47.8737, 0.4428, 0.3993



47.8737, 0.4044, 0.4407



47.8737, 0.3438, 0.4539

Triad

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



47.8737, 0.4044, 0.4407



47.8737, 0.1969, 0.2869



47.8737, 0.3379, 0.2568

Complementary

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



47.8737, 0.4044, 0.4407



17.9558, 0.2125, 0.1826

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.



47.8737, 0.2706, 0.2305



47.8737, 0.4044, 0.4407



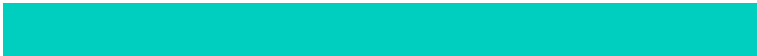
47.8737, 0.1958, 0.2423

Square

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



47.8737, 0.4044, 0.4407



47.8737, 0.2252, 0.3543



47.8737, 0.2209, 0.2245



47.8737, 0.4044, 0.2983

Rectangle

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



47.8737, 0.4044, 0.4407



47.8737, 0.2994, 0.4375



47.8737, 0.2209, 0.2245



47.8737, 0.3144, 0.2460

Sweetspot

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



47.8759, 0.4044, 0.4407



92.7193, 0.3396, 0.3642



21.4864, 0.4458, 0.3036



19.6728, 0.3429, 0.3685



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.



47.8759, 0.4044, 0.4407



75.9138, 0.4219, 0.4580



52.2881, 0.3611, 0.4759



12.7458, 0.3270, 0.3479



25.8078, 0.4541, 0.4776



1.4222, 0.4462, 0.4839

Inverse Universe

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



17.9558, 0.2125, 0.1826



21.8331, 0.1917, 0.1481



16.3416, 0.2366, 0.1655



11.1596, 0.2982, 0.3093



3.6388, 0.1548, 0.0771



0.2885, 0.1641, 0.1108

Previews

White Background



This preview shows how the Yxy color 47.8737, 0.4044, 0.4407 looks on a white background.

Color Contrast Check

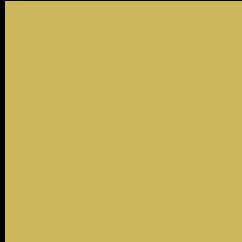
Large Text (above 18pt) WCAG AA × Fail

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 47.8737, 0.4044, 0.4407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

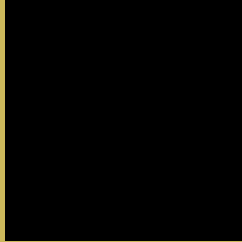
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.8737, 0.4044, 0.4407

Background



This preview shows how black text looks on a background with the Yxy color 47.8737, 0.4044, 0.4407.



This preview shows how white text looks on a background with the Yxy color 47.8737, 0.4044, 0.4407.

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

47.8737, 0.4044, 0.4407

Protanopia

47.7328, 0.4035, 0.4412

Deuteranopia

47.6190, 0.4297, 0.4204



Tritanopia

47.6211, 0.3368, 0.3123

Trichromacy



Original Color

47.8737, 0.4044, 0.4407

Protanomaly

47.7328, 0.4035, 0.4412

Deuteranomaly

47.5189, 0.4209, 0.4276

Tritanomaly

47.4129, 0.3642, 0.3600

Monochromacy



Original Color

47.8737, 0.4044, 0.4407

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.8457, 0.3469, 0.3740

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8737, 0.4044, 0.4407 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, 91)` looks like.

```
.text, #text, p{  
    color:rgb(204, 184, 91)  
}
```

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, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 184, 91) }
```

Border

The CSS property to change the border of an element to Yxy 47.8737, 0.4044, 0.4407 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, 91) }
```

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

```
.border{ border-color:rgb(204, 184, 91) }
```

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, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 184, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 184, 91);  
box-shadow:4px 4px 4px 4px rgb(204, 184,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8737, 0.4044, 0.4407 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, 91) }
```

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

```
.background{ background-color: rgb(204,  
184, 91) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor