

Converting Colors

$Y_{xy}(49.1170, 0.3903, 0.4237)$

Have a look what the booklet for
Yxy(49.1170, 0.3903, 0.4237)
contains.

Yxy(49.0593, 0.3904, 0.4235)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.0593, 0.3904, 0.4235)

Conversions

Conversions Part 1

Format	Color
Hex	CCBA6D
RGB	204, 186, 109
RGB Percent	80%, 73%, 43%
CMY	0.1999, 0.2706, 0.5725
CMYK	0.00, 0.09, 0.47, 0.20
HSL	49°, 48%, 61%
HSV	49°, 47%, 80%
XYZ	45.2249, 49.0593, 21.5583
YIQ	182.6040, 35.4450, -20.1310

Conversions

Conversions Part 2

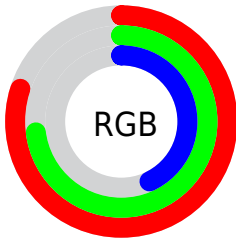
Format	Color
RYB	131, 204, 109
Decimal	13417069
CIELab	75.49, -4.00, 41.17
CIELCh	75, 41.364, 95.549
Yxy	49.0593, 0.3904, 0.4235
Android (android.graphics.Color)	4291607149 (0xFFCCBA6D)
YUV	182.6040, -36.2868, 18.7643
Hunter-Lab	70.0423, -7.3203, 30.7808

Details

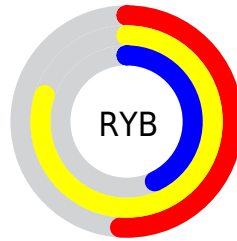
The Yxy color **49.0593, 0.3904, 0.4235** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **22.8003, 0.2300, 0.2114**, and the grayscale version is **47.3164, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3729, 0.3720, 0.4088**, and **23.3867, 0.4090, 0.4472** is the 20% darker color. If you saturate the color by 10%, you get **47.0636, 0.4073, 0.4412**, and if you desaturate by 10%, it is **51.2056, 0.3729, 0.4038**.

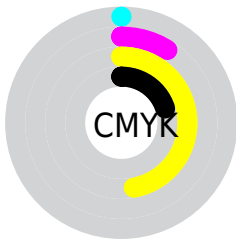
Distribution



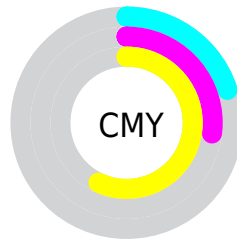
- Red (80%)
- Green (73%)
- Blue (43%)



- Red (51%)
- Yellow (80%)
- Blue (43%)



- Cyan (0%)
- Magenta (9%)
- Yellow (47%)
- Black (20%)





- Cyan (20%)
- Magenta (27%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.0593, 0.3904, 0.4235 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 49.0593, 0.3904, 0.4235 by changing the saturation by 10% instead.


 49.0593, 0.3904,
0.4235


 49.0593, 0.3904,
0.4235

382.9757, 0.3533,
0.3775

 34.6665, 0.3988,
0.4342


 88.7795, 0.3775,
0.4073


 23.4061, 0.4088,
0.4473


 114.8758, 0.3725,
0.4010

 14.8937, 0.4209,
0.4636


 145.6419, 0.3682,
0.3957

 8.7448, 0.4352,
0.4836

 181.4624, 0.3644,
0.3910

 4.5751, 0.4600,
0.5180

222.7217, 0.3611,
0.3870

 2.0002, 0.4649,
0.5351

269.8040, 0.3582,

 0.6076, 0.4413,

0.3834

0.5587

323.0939, 0.3556,
0.3803

0.0000, 0.0000,
0.0000

49.0593, 0.3904,
0.4235

49.0593, 0.3904,
0.4235

47.0636, 0.4073,
0.4412

51.2056, 0.3729,
0.4038

45.2043, 0.4229,
0.4559

53.5026, 0.3555,
0.3832

43.4752, 0.4364,
0.4667

55.9588, 0.3386,
0.3624

41.8665, 0.4472,
0.4730

58.5801, 0.3226,
0.3419

40.3656, 0.4552,
0.4748

61.3718, 0.3077,
0.3224

■ 39.8669, 0.4576,
0.4749

■ 64.3392, 0.2941,
0.3040

■ 67.4873, 0.2817,
0.2869

■ 69.6606, 0.2801,
0.2880

■ 71.6781, 0.2804,
0.2923

Harmonies

Analogous

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



49.0593, 0.4217, 0.3906



49.0593, 0.3904, 0.4235



49.0593, 0.3397, 0.4316

Triad

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



49.0593, 0.3904, 0.4235



49.0593, 0.2143, 0.2946



49.0593, 0.3348, 0.2679

Complementary

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



49.0593, 0.3904, 0.4235



22.8003, 0.2300, 0.2114

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.



49.0593, 0.2782, 0.2451



49.0593, 0.3904, 0.4235



49.0593, 0.2132, 0.2563

Square

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



49.0593, 0.3904, 0.4235



49.0593, 0.2390, 0.3501



49.0593, 0.2353, 0.2402



49.0593, 0.3893, 0.3041

Rectangle

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



49.0593, 0.3904, 0.4235



49.0593, 0.3023, 0.4172



49.0593, 0.2353, 0.2402



49.0593, 0.3152, 0.2585

Sweetspot

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



49.0616, 0.3904, 0.4235



93.6663, 0.3347, 0.3574



25.3397, 0.4123, 0.3048



19.8502, 0.3383, 0.3619



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.



49.0616, 0.3904, 0.4235



77.8762, 0.4076, 0.4415



53.4714, 0.3566, 0.4524



12.7209, 0.3270, 0.3477



25.2176, 0.4570, 0.4754



1.3966, 0.4483, 0.4822

Inverse Universe

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



22.8003, 0.2300, 0.2114



29.2248, 0.2104, 0.1807



20.6637, 0.2499, 0.1928



11.1826, 0.2982, 0.3096



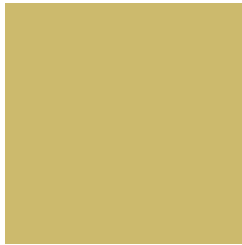
3.7468, 0.1553, 0.0790



0.2990, 0.1650, 0.1141

Previews

White Background



This preview shows how the Yxy color 49.0593, 0.3904, 0.4235 looks on a white background.

Color Contrast Check

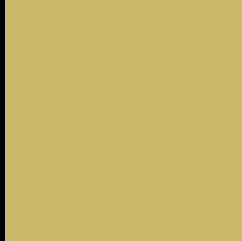
Large Text (above 18pt) WCAG AA × Fail

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 49.0593, 0.3904, 0.4235 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 49.0593, 0.3904, 0.4235

Background



This preview shows how black text looks on a background with the Yxy color 49.0593, 0.3904, 0.4235.



This preview shows how white text looks on a background with the Yxy color 49.0593, 0.3904, 0.4235.

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

49.0593, 0.3904, 0.4235

Protanopia

49.0593, 0.3904, 0.4235

Deuteranopia

49.1572, 0.4138, 0.4056



Tritanopia

48.7654, 0.3329, 0.3123

Trichromacy



Original Color

49.0593, 0.3904, 0.4235

Protanomaly

49.0593, 0.3904, 0.4235

Deuteranomaly

49.0790, 0.4054, 0.4124

Tritanomaly

48.7710, 0.3545, 0.3525

Monochromacy



Original Color

49.0593, 0.3904, 0.4235

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.7576, 0.3414, 0.3654

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.0593, 0.3904, 0.4235 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, 186, 109)` looks like.

```
.text, #text, p{  
    color:rgb(204, 186, 109)  
}
```

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, 186, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 186, 109) }
```

Border

The CSS property to change the border of an element to Yxy 49.0593, 0.3904, 0.4235 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, 186, 109) }
```

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

```
.border{ border-color:rgb(204, 186, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 186, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 186, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 186, 109);  
box-shadow:4px 4px 4px 4px rgb(204, 186,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0593, 0.3904, 0.4235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 186, 109) }
```

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

```
.background{ background-color: rgb(204,  
186, 109) }
```

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