

Converting Colors

$Y_{xy}(44.7210, 0.3968, 0.4150)$

Have a look what the booklet for
Yxy(44.7210, 0.3968, 0.4150)
contains.

Yxy(44.8087, 0.3967, 0.4152)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(44.8087, 0.3967, 0.4152)

Conversions

Conversions Part 1

Format	Color
Hex	CBB06B
RGB	203, 176, 107
RGB Percent	80%, 69%, 42%
CMY	0.2038, 0.3098, 0.5804
CMYK	0.00, 0.13, 0.47, 0.20
HSL	43°, 48%, 61%
HSV	43°, 47%, 80%
XYZ	42.8122, 44.8087, 20.2999
YIQ	176.2070, 38.2410, -15.7350

Conversions

Conversions Part 2

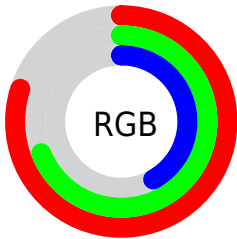
Format	Color
RYB	145, 203, 107
Decimal	13348971
CIELab	72.77, 0.67, 38.79
CIElCh	73, 38.795, 89.016
Yxy	44.8087, 0.3967, 0.4152
Android (android.graphics.Color)	4291539051 (0xFFCBB06B)
YUV	176.2070, -34.1191, 23.4975
Hunter-Lab	66.9393, -2.9811, 28.8773

Details

The Yxy color **44.8087, 0.3967, 0.4152** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **24.4937, 0.2311, 0.2231**, and the grayscale version is **43.6981, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9150, 0.3777, 0.4018**, and **20.9238, 0.4175, 0.4367** is the 20% darker color. If you saturate the color by 10%, you get **42.2388, 0.4162, 0.4312**, and if you desaturate by 10%, it is **47.5775, 0.3772, 0.3974**.

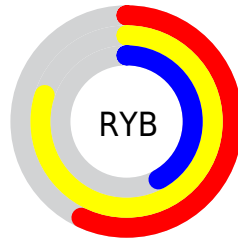
Distribution



Red (80%)

Green (69%)

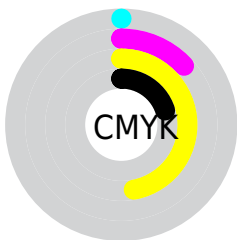
Blue (42%)



Red (57%)

Yellow (80%)

Blue (42%)

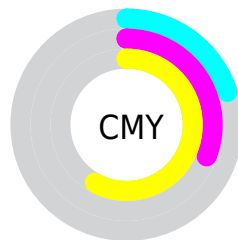


Cyan (0%)

Magenta (13%)

Yellow (47%)

Black (20%)



Cyan (20%)


Magenta (31%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.8087, 0.3967, 0.4152 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 44.8087, 0.3967, 0.4152 by changing the saturation by 10% instead.


 44.8087, 0.3967,
0.4152

 44.8087, 0.3967,
0.4152


365.9982, 0.3555,
0.3731


 31.3068, 0.4063,
0.4250


 82.4333, 0.3821,
0.4003


 20.8326, 0.4181,
0.4370


 107.3247, 0.3765,
0.3946

 13.0017, 0.4327,
0.4517


 136.7814, 0.3718,
0.3897

 7.4297, 0.4505,
0.4695

 171.1878, 0.3676,
0.3855

 3.7322, 0.4881,
0.5075

210.9283, 0.3640,
0.3818

 1.5249, 0.4913,
0.5087

256.3873, 0.3608,

 0.3062, 0.5009,

0.3785

0.4991

307.9491, 0.3580,
0.3757

0.0000, 0.0000,
0.0000

44.8087, 0.3967,
0.4152

44.8087, 0.3967,
0.4152

42.2388, 0.4162,
0.4312

47.5775, 0.3772,
0.3974

39.8531, 0.4348,
0.4442

50.5464, 0.3583,
0.3788

37.6446, 0.4517,
0.4534


53.7244, 0.3404,
0.3601

35.6025, 0.4659,
0.4578


57.1183, 0.3239,
0.3418

33.7128, 0.4772,
0.4575

60.7340, 0.3088,
0.3244

 33.2225, 0.4801,
0.4570

 64.5776, 0.2951,
0.3080

 68.6546, 0.2828,
0.2929

 72.0069, 0.2798,
0.2932

 75.0885, 0.2802,
0.2994

Harmonies

Analogous

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



44.8087, 0.4211, 0.3803



44.8087, 0.3967, 0.4152



44.8087, 0.3506, 0.4291

Triad

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



44.8087, 0.3967, 0.4152



44.8087, 0.2206, 0.3066



44.8087, 0.3217, 0.2636

Complementary

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



44.8087, 0.3967, 0.4152



24.4937, 0.2311, 0.2231

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.



44.8087, 0.2689, 0.2449



44.8087, 0.3967, 0.4152



44.8087, 0.2145, 0.2650

Square

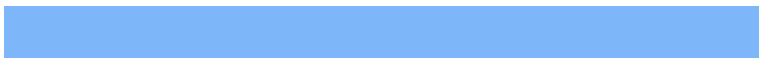
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



44.8087, 0.3967, 0.4152



44.8087, 0.2495, 0.3617



44.8087, 0.2312, 0.2445



44.8087, 0.3765, 0.2965

Rectangle

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



44.8087, 0.3967, 0.4152



44.8087, 0.3146, 0.4202



44.8087, 0.2312, 0.2445



44.8087, 0.3031, 0.2556

Sweetspot

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



44.8108, 0.3967, 0.4152



91.6666, 0.3351, 0.3543



24.9406, 0.4035, 0.2941



19.3596, 0.3388, 0.3583



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.



44.8108, 0.3967, 0.4152



70.5188, 0.4171, 0.4318



53.7558, 0.3640, 0.4513



12.5422, 0.3272, 0.3456



21.2981, 0.4790, 0.4579



1.2231, 0.4648, 0.4692

Inverse Universe

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



24.4937, 0.2311, 0.2231



32.5032, 0.2122, 0.1947



19.4005, 0.2413, 0.1879



11.3495, 0.2983, 0.3119



4.7490, 0.1602, 0.0968



0.3755, 0.1713, 0.1366

Previews

White Background



This preview shows how the Yxy color 44.8087, 0.3967, 0.4152 looks on a white background.

Color Contrast Check

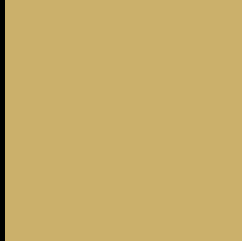
Large Text (above 18pt) WCAG AA × Fail

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 44.8087, 0.3967, 0.4152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

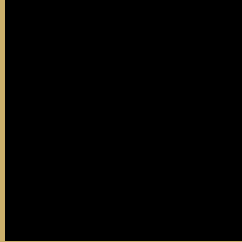
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.8087, 0.3967, 0.4152

Background



This preview shows how black text looks on a background with the Yxy color 44.8087, 0.3967, 0.4152.



This preview shows how white text looks on a background with the Yxy color 44.8087, 0.3967, 0.4152.

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

44.8087, 0.3967, 0.4152

Protanopia

44.9250, 0.3865, 0.4201

Deuteranopia

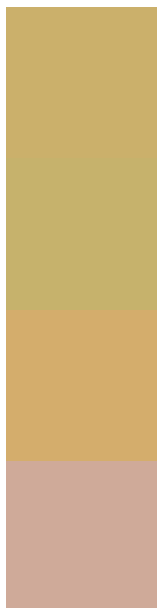
44.9602, 0.4123, 0.4040



Tritanopia

44.6344, 0.3413, 0.3132

Trichromacy



Original Color

44.8087, 0.3967, 0.4152

Protanomaly

44.9293, 0.3899, 0.4180

Deuteranomaly

44.9669, 0.4063, 0.4078

Tritanomaly

44.3148, 0.3627, 0.3505

Monochromacy



Original Color

44.8087, 0.3967, 0.4152

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

43.7241, 0.3429, 0.3625

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.8087, 0.3967, 0.4152 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(203, 176, 107)` looks like.

```
.text, #text, p{  
    color:rgb(203, 176, 107)  
}
```

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(203, 176, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 176, 107) }
```

Border

The CSS property to change the border of an element to Yxy 44.8087, 0.3967, 0.4152 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(203, 176, 107) }
```

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

```
.border{ border-color:rgb(203, 176, 107) }
```

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

Here you see how a box with a 4 pixel rgb(203, 176, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 176, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 176, 107);  
box-shadow:4px 4px 4px 4px rgb(203, 176,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 44.8087, 0.3967, 0.4152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 176, 107) }
```

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

```
.background{ background-color: rgb(203,  
176, 107) }
```

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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