

Converting Colors

$Y_{xy}(45.1138, 0.3973, 0.3896)$

Have a look what the booklet for
Yxy(45.1138, 0.3973, 0.3896)
contains.

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Color

Yxy(45.2063, 0.3968, 0.3900)

Conversions

Conversions Part 1

Format	Color
Hex	D6AC7A
RGB	214, 172, 122
RGB Percent	84%, 67%, 48%
CMY	0.1608, 0.3255, 0.5216
CMYK	0.00, 0.20, 0.43, 0.16
HSL	33°, 53%, 66%
HSV	33°, 43%, 84%
XYZ	45.9945, 45.2063, 24.7128
YIQ	178.8580, 41.0820, -6.6460

Conversions

Conversions Part 2

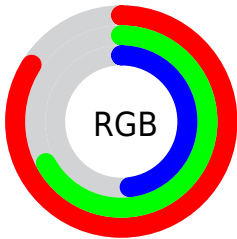
Format	Color
R_{YB}	199, 214, 122
Decimal	14068858
CIE _{Lab}	73.03, 8.81, 31.50
CIE _{LCh}	73, 32.707, 74.376
Yxy	45.2063, 0.3968, 0.3900
Android (android.graphics.Color)	4292258938 (0xFFD6AC7A)
YUV	178.8580, -28.0310, 30.8195
Hunter-Lab	67.2356, 4.4458, 25.2726

Details

The Yxy color **45.2063, 0.3968, 0.3900** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **35.5350, 0.2428, 0.2581**, and the grayscale version is **45.1360, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2933, 0.3683, 0.3820**, and **21.0689, 0.4198, 0.4059** is the 20% darker color. If you saturate the color by 10%, you get **41.1532, 0.4215, 0.4032**, and if you desaturate by 10%, it is **49.6537, 0.3737, 0.3757**.

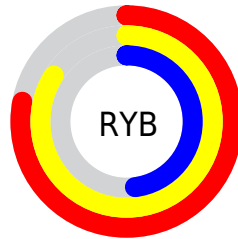
Distribution



Red (84%)

Green (67%)

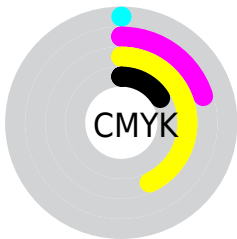
Blue (48%)



Red (78%)

Yellow (84%)

Blue (48%)

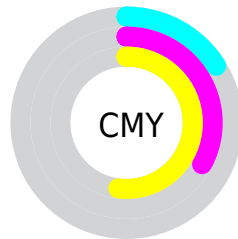


Cyan (0%)

Magenta (20%)

Yellow (43%)

Black (16%)



Cyan (16%)


Magenta (33%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.2063, 0.3968, 0.3900 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 45.2063, 0.3968, 0.3900 by changing the saturation by 10% instead.


 45.2063, 0.3968,
0.3900

 45.2063, 0.3968,
0.3900


367.6084, 0.3548,
0.3608


 31.6200, 0.4070,
0.3967


 83.0299, 0.3817,
0.3798

 21.0714, 0.4199,
0.4048


 108.0359, 0.3759,
0.3758

 13.1762, 0.4366,
0.4147


 137.6173, 0.3711,
0.3724

 7.5500, 0.4585,
0.4268

172.1585, 0.3669,
0.3695

 3.8084, 0.4905,
0.4428

212.0438, 0.3633,
0.3669

 1.5670, 0.5383,
0.4617

257.6576, 0.3601,

 0.3352, 0.6142,

0.3646

0.3858

309.3844, 0.3573,
0.3626

0.0000, 0.0000,
0.0000

45.2063, 0.3968,
0.3900

45.2063, 0.3968,
0.3900

41.1532, 0.4215,
0.4032

49.6537, 0.3737,
0.3757

37.4743, 0.4472,
0.4142

54.5015, 0.3527,
0.3610

34.1572, 0.4726,
0.4218


59.7640, 0.3339,
0.3467

31.1854, 0.4962,
0.4248


65.4525, 0.3173,
0.3329

28.5405, 0.5167,
0.4223


71.5778, 0.3027,
0.3201

 26.8631, 0.5292,
0.4180

 78.1504, 0.2898,
0.3081

 84.0510, 0.2876,
0.3138

 89.9680, 0.2881,
0.3239

 93.0346, 0.2883,
0.3289

Harmonies

Analogous

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



45.2063, 0.4045, 0.3564



45.2063, 0.3968, 0.3900



45.2063, 0.3660, 0.4106

Triad

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



45.2063, 0.3968, 0.3900



45.2063, 0.2443, 0.3328



45.2063, 0.2978, 0.2634

Complementary

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



45.2063, 0.3968, 0.3900



35.5350, 0.2428, 0.2581

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.



45.2063, 0.2579, 0.2548



45.2063, 0.3968, 0.3900



45.2063, 0.2289, 0.2908

Square

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



45.2063, 0.3968, 0.3900



45.2063, 0.2777, 0.3778



45.2063, 0.2337, 0.2637



45.2063, 0.3449, 0.2864

Rectangle

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



45.2063, 0.3968, 0.3900



45.2063, 0.3375, 0.4117



45.2063, 0.2337, 0.2637



45.2063, 0.2832, 0.2588

Sweetspot

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



45.2084, 0.3968, 0.3900



88.7708, 0.3342, 0.3469



30.9272, 0.3711, 0.2768



18.6160, 0.3382, 0.3500



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.



45.2084, 0.3968, 0.3900



61.4765, 0.4203, 0.4026



63.3305, 0.3739, 0.4353



13.5283, 0.3278, 0.3417



16.4493, 0.5272, 0.4196



1.1568, 0.5036, 0.4384

Inverse Universe

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



35.5350, 0.2428, 0.2581



45.2173, 0.2274, 0.2388



23.1380, 0.2349, 0.1972



12.9330, 0.2982, 0.3160



8.3786, 0.1735, 0.1445



0.6697, 0.1827, 0.1776

Previews

White Background



This preview shows how the Yxy color 45.2063, 0.3968, 0.3900 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 45.2063, 0.3968, 0.3900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

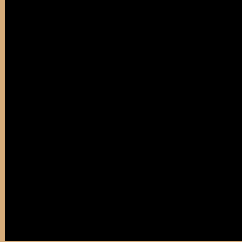
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.2063, 0.3968, 0.3900

Background



This preview shows how black text looks on a background with the Yxy color 45.2063, 0.3968, 0.3900.



This preview shows how white text looks on a background with the Yxy color 45.2063, 0.3968, 0.3900.

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

45.2063, 0.3968, 0.3900

Protanopia

45.1902, 0.3717, 0.3993

Deuteranopia

45.3573, 0.3978, 0.3898



Tritanopia

45.1847, 0.3520, 0.3137

Trichromacy



Original Color

45.2063, 0.3968, 0.3900

Protanomaly

44.9234, 0.3806, 0.3953

Deuteranomaly

45.3573, 0.3978, 0.3898

Tritanomaly

45.2256, 0.3682, 0.3413

Monochromacy



Original Color

45.2063, 0.3968, 0.3900

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

44.7258, 0.3424, 0.3526

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2063, 0.3968, 0.3900 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(214, 172, 122)` looks like.

```
.text, #text, p{  
    color:rgb(214, 172, 122)  
}
```

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(214, 172, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 172, 122) }
```

Border

The CSS property to change the border of an element to Yxy 45.2063, 0.3968, 0.3900 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(214, 172, 122) }
```

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

```
.border{ border-color:rgb(214, 172, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 172, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 172, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 172, 122);  
box-shadow:4px 4px 4px 4px rgb(214, 172,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2063, 0.3968, 0.3900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 172, 122) }
```

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

```
.background{ background-color: rgb(214,  
172, 122) }
```

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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