

Converting Colors

$Y_{xy}(45.4845, 0.3996, 0.3907)$

Have a look what the booklet for
Yxy(45.4845, 0.3996, 0.3907)
contains.

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Color

Yxy(45.4845, 0.3996, 0.3907)

Conversions

Conversions Part 1

Format	Color
Hex	D8AC79
RGB	216, 172, 121
RGB Percent	85%, 67%, 47%
CMY	0.1530, 0.3255, 0.5255
CMYK	0.00, 0.20, 0.44, 0.15
HSL	32°, 55%, 66%
HSV	32°, 44%, 85%
XYZ	46.5206, 45.4845, 24.4128
YIQ	179.3420, 42.5950, -6.5330

Conversions

Conversions Part 2

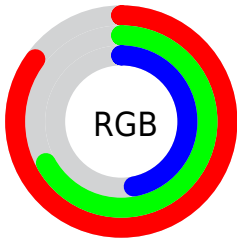
Format	Color
R_{YB}	203, 216, 121
Decimal	14199929
CIE _{Lab}	73.21, 9.51, 32.31
CIE _{LCh}	73, 33.680, 73.592
Yxy	45.4845, 0.3996, 0.3907
Android (android.graphics.Color)	4292390009 (0xFFD8AC79)
YUV	179.3420, -28.7626, 32.1491
Hunter-Lab	67.4422, 5.1028, 25.7476

Details

The Yxy color **45.4845, 0.3996, 0.3907** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **35.9226, 0.2413, 0.2570**, and the grayscale version is **45.4112, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2542, 0.3690, 0.3830**, and **21.2588, 0.4235, 0.4064** is the 20% darker color. If you saturate the color by 10%, you get **41.3502, 0.4247, 0.4036**, and if you desaturate by 10%, it is **50.0283, 0.3762, 0.3766**.

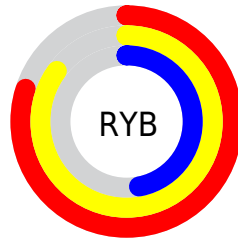
Distribution



Red (85%)

Green (67%)

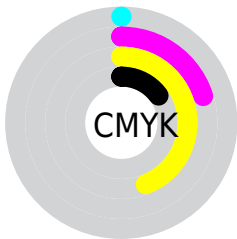
Blue (47%)



Red (80%)

Yellow (85%)

Blue (47%)

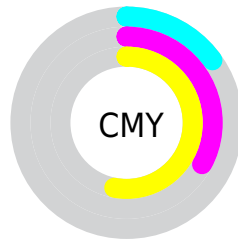


Cyan (0%)

Magenta (20%)

Yellow (44%)

Black (15%)



Cyan (15%)


Magenta (33%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.4845, 0.3996, 0.3907 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 45.4845, 0.3996, 0.3907 by changing the saturation by 10% instead.


 45.4845, 0.3996,
0.3907


 45.4845, 0.3996,
0.3907


368.7323, 0.3563,
0.3613

 31.8392, 0.4101,
0.3974


 83.4470, 0.3840,
0.3805

 21.2387, 0.4234,
0.4054


 108.5330, 0.3781,
0.3765

 13.2986, 0.4404,
0.4152


 138.2013, 0.3731,
0.3731

 7.6345, 0.4628,
0.4269

172.8364, 0.3688,
0.3701

 3.8620, 0.4957,
0.4425

212.8227, 0.3650,
0.3675

 1.5967, 0.5418,
0.4582

258.5445, 0.3617,

 0.3553, 0.6160,

0.3652

0.3840

310.3862, 0.3588,
0.3631

0.0000, 0.0000,
0.0000

45.4845, 0.3996,
0.3907

45.4845, 0.3996,
0.3907

41.3502, 0.4247,
0.4036

50.0283, 0.3762,
0.3766

37.6045, 0.4507,
0.4142

54.9883, 0.3548,
0.3621

34.2341, 0.4763,
0.4212

60.3793, 0.3358,
0.3479


31.2219, 0.5000,
0.4235

66.2133, 0.3189,
0.3342

28.5483, 0.5204,
0.4203


72.5015, 0.3040,
0.3214

 27.0873, 0.5313,
0.4164

 79.2550, 0.2910,
0.3095

 85.3273, 0.2889,
0.3155

 91.4441, 0.2893,
0.3259

 93.3379, 0.2894,
0.3289

Harmonies

Analogous

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



45.4845, 0.4069, 0.3559



45.4845, 0.3996, 0.3907



45.4845, 0.3684, 0.4125

Triad

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



45.4845, 0.3996, 0.3907



45.4845, 0.2431, 0.3341



45.4845, 0.2962, 0.2613

Complementary

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



45.4845, 0.3996, 0.3907



35.9226, 0.2413, 0.2570

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.



45.4845, 0.2556, 0.2530



45.4845, 0.3996, 0.3907



45.4845, 0.2269, 0.2906

Square

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



45.4845, 0.3996, 0.3907



45.4845, 0.2778, 0.3803



45.4845, 0.2314, 0.2624



45.4845, 0.3445, 0.2845

Rectangle

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



45.4845, 0.3996, 0.3907



45.4845, 0.3392, 0.4143



45.4845, 0.2314, 0.2624



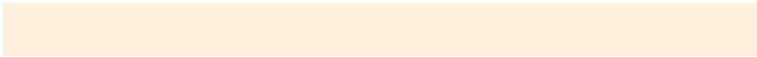
45.4845, 0.2812, 0.2567

Sweetspot

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



45.4867, 0.3996, 0.3907



88.6416, 0.3342, 0.3466



30.9987, 0.3731, 0.2756



18.5841, 0.3382, 0.3498



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.



45.4867, 0.3996, 0.3907



60.5004, 0.4234, 0.4030



64.6087, 0.3752, 0.4376



13.5143, 0.3278, 0.3415



16.2523, 0.5291, 0.4181



1.1452, 0.5051, 0.4372

Inverse Universe

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



35.9226, 0.2413, 0.2570



44.8309, 0.2260, 0.2379



22.9266, 0.2328, 0.1936



12.9468, 0.2982, 0.3162



8.5408, 0.1741, 0.1466



0.6798, 0.1832, 0.1795

Previews

White Background



This preview shows how the Yxy color 45.4845, 0.3996, 0.3907 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 45.4845, 0.3996, 0.3907 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

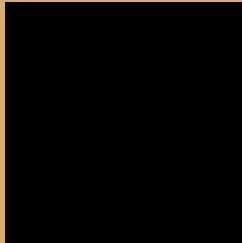
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.4845, 0.3996, 0.3907

Background



This preview shows how black text looks on a background with the Yxy color 45.4845, 0.3996, 0.3907.



This preview shows how white text looks on a background with the Yxy color 45.4845, 0.3996, 0.3907.

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

45.4845, 0.3996, 0.3907

Protanopia

45.6999, 0.3731, 0.4015

Deuteranopia

45.4845, 0.3996, 0.3907



Tritanopia

45.4567, 0.3548, 0.3149

Trichromacy



Original Color

45.4845, 0.3996, 0.3907

Protanomaly

45.5709, 0.3829, 0.3972

Deuteranomaly

45.4845, 0.3996, 0.3907

Tritanomaly

45.4997, 0.3710, 0.3424

Monochromacy



Original Color

45.4845, 0.3996, 0.3907

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 45.4845, 0.3996, 0.3907 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(216, 172, 121)` looks like.

```
.text, #text, p{  
    color:rgb(216, 172, 121)  
}
```

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(216, 172, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 172, 121) }
```

Border

The CSS property to change the border of an element to Yxy 45.4845, 0.3996, 0.3907 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(216, 172, 121) }
```

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

```
.border{ border-color:rgb(216, 172, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 172, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 172, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 172, 121);  
box-shadow:4px 4px 4px 4px rgb(216, 172,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4845, 0.3996, 0.3907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 172, 121) }
```

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

```
.background{ background-color: rgb(216,  
172, 121) }
```

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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