

# Converting Colors

$Y_{xy}(29.0598, 0.3948, 0.3580)$

Have a look what the booklet for  
Yxy(29.0598, 0.3948, 0.3580)  
contains.

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**Color**

**Yxy(29.0049, 0.3945, 0.3574)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BA8773
RGB	186, 135, 115
RGB Percent	73%, 53%, 45%
CMY	0.2704, 0.4706, 0.5490
CMYK	0.00, 0.27, 0.38, 0.27
HSL	17°, 34%, 59%
HSV	17°, 38%, 73%
XYZ	32.0158, 29.0049, 20.1346
YIQ	147.9690, 36.8160, 4.5920

# Conversions

## Conversions Part 2

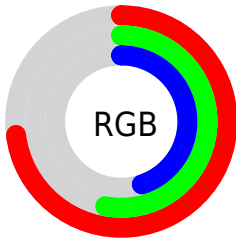
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	186, 143, 115
Decimal	12224371
CIE <sub>Lab</sub>	60.79, 16.92, 18.45
CIE <sub>LCh</sub>	61, 25.030, 47.472
Yxy	29.0049, 0.3945, 0.3574
Android (android.graphics.Color)	4290414451 (0xFFBA8773)
YUV	147.9690, -16.2537, 33.3532
Hunter-Lab	53.8562, 11.8641, 15.5332

# Details

The Yxy color  $29.0049, 0.3945, 0.3574$  is a dark color, and the websafe version is hex `CC9999`. A complement of this color would be  $34.4890, 0.2558, 0.2982$ , and the grayscale version is  $29.6600, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $57.9896, 0.3780, 0.3520$ , and  $11.7275, 0.4230, 0.3642$  is the 20% darker color. If you saturate the color by 10%, you get  $25.1206, 0.4253, 0.3646$ , and if you desaturate by 10%, it is  $33.4471, 0.3678, 0.3497$ .

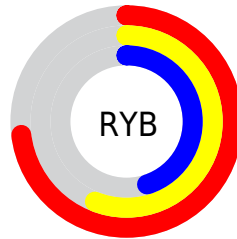
# Distribution



Red (73%)

Green (53%)

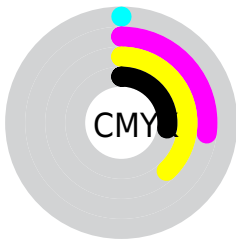
Blue (45%)



Red (73%)

Yellow (56%)

Blue (45%)

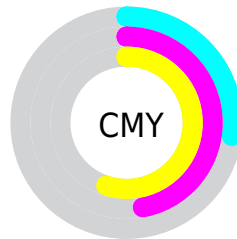


Cyan (0%)

Magenta (27%)

Yellow (38%)

Black (27%)



Cyan (27%)

Magenta (47%)


Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 29.0049, 0.3945, 0.3574 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 29.0049, 0.3945, 0.3574 by changing the saturation by 10% instead.





 29.0049, 0.3945,  
0.3574


 29.0049, 0.3945,  
0.3574


297.2381, 0.3500,  
0.3435

 19.0845, 0.4068,  
0.3606


 58.0849, 0.3775,  
0.3525

 11.7314, 0.4234,  
0.3645


 78.0133, 0.3713,  
0.3506

 6.5610, 0.4466,  
0.3690


 102.0464, 0.3662,  
0.3490

 3.1891, 0.4813,  
0.3736

130.5688, 0.3620,  
0.3475

 1.2313, 0.5868,  
0.4097

163.9648, 0.3583,  
0.3463

 0.0870, 0.8507,  
0.1493

202.6187, 0.3552,

 0.0000, 0.0000,

0.3452

0.0000

246.9150, 0.3524,  
0.3443

■ 29.0049, 0.3945,  
0.3574

■ 29.0049, 0.3945,  
0.3574

■ 25.1206, 0.4253,  
0.3646

■ 33.4471, 0.3678,  
0.3497

■ 21.7675, 0.4600,  
0.3706

■ 38.4643, 0.3452,  
0.3420

■ 18.9228, 0.4972,  
0.3743


■ 44.0779, 0.3261,  
0.3347

■ 16.5603, 0.5346,  
0.3746

■ 50.3069, 0.3100,  
0.3278


■ 14.6512, 0.5686,  
0.3706

■ 57.1695, 0.2965,  
0.3214


 13.1603, 0.5961,  
0.3626

 64.6832, 0.2851,  
0.3156

 12.9282, 0.6007,  
0.3612

 72.8648, 0.2755,  
0.3103

 81.1475, 0.2717,  
0.3148

 89.1839, 0.2731,  
0.3289

# Harmonies

## Analogous

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



29.0049, 0.3797, 0.3241



29.0049, 0.3945, 0.3574



29.0049, 0.3856, 0.3863

# Triad

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



29.0049, 0.3945, 0.3574



29.0049, 0.2781, 0.3683



29.0049, 0.2670, 0.2627

# Complementary

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



29.0049, 0.3945, 0.3574



34.4890, 0.2558, 0.2982

# 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.



29.0049, 0.2435, 0.2692



29.0049, 0.3945, 0.3574



29.0049, 0.2494, 0.3285

# Square

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



29.0049, 0.3945, 0.3574



29.0049, 0.3172, 0.3964



29.0049, 0.2373, 0.2922



29.0049, 0.3039, 0.2717



# Rectangle

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



29.0049, 0.3945, 0.3574



29.0049, 0.3681, 0.3989



29.0049, 0.2373, 0.2922



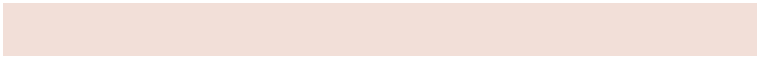
29.0049, 0.2574, 0.2630

# Sweetspot

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



29.0063, 0.3945, 0.3574



76.6855, 0.3315, 0.3368



25.5023, 0.3383, 0.2585



16.5783, 0.3340, 0.3378



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.0063, 0.3945, 0.3574



46.4492, 0.4207, 0.3637



40.2318, 0.3768, 0.4029



9.4125, 0.3281, 0.3355



8.8053, 0.5984, 0.3630



0.4188, 0.5464, 0.4044



# Inverse Universe

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



34.4890, 0.2558, 0.2982



57.7820, 0.2443, 0.2900



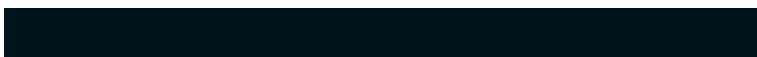
23.5832, 0.2476, 0.2419



9.7722, 0.2985, 0.3224



13.9311, 0.1989, 0.2362



0.5901, 0.2064, 0.2629



# Previews

## White Background



This preview shows how the Yxy color 29.0049, 0.3945, 0.3574 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

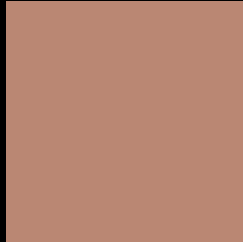
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 29.0049, 0.3945, 0.3574 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 × Fail

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

**Yxy 29.0049, 0.3945, 0.3574**

## Background



This preview shows how black text looks on a background with the Yxy color 29.0049, 0.3945, 0.3574.



This preview shows how white text looks on a background with the Yxy color 29.0049, 0.3945, 0.3574.

# 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

29.0049, 0.3945, 0.3574

### Protanopia

29.1921, 0.3483, 0.3719

### Deuteranopia

29.0353, 0.3764, 0.3695



## Tritanopia

28.9745, 0.3690, 0.3153

# Trichromacy



## Original Color

29.0049, 0.3945, 0.3574

## Protanomaly

29.0599, 0.3643, 0.3673

## Deuteranomaly

29.0273, 0.3831, 0.3658

## Tritanomaly

28.8598, 0.3782, 0.3292

# Monochromacy



## Original Color

29.0049, 0.3945, 0.3574

## Achromatopsia

29.6138, 0.3127, 0.3290

## Achromatomaly

29.1039, 0.3406, 0.3398

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 29.0049, 0.3945, 0.3574 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(186, 135, 115)` looks like.

```
.text, #text, p{  
    color:rgb(186, 135, 115)  
}
```

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(186, 135, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 135, 115) }
```

## Border

The CSS property to change the border of an element to Yxy 29.0049, 0.3945, 0.3574 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(186, 135, 115) }
```

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

```
.border{ border-color:rgb(186, 135, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 135, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 135, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 135, 115);  
box-shadow:4px 4px 4px 4px rgb(186, 135,  
115) }
```



# Background

The CSS property to change the background color of an element to Yxy 29.0049, 0.3945, 0.3574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 135, 115) }
```

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

```
.background{ background-color: rgb(186,  
135, 115) }
```

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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