

Converting Colors

$Y_{xy}(49.1296, 0.4017, 0.3834)$

Have a look what the booklet for
Yxy(49.1296, 0.4017, 0.3834)
contains.

Yxy(49.1296, 0.4017, 0.3834)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.1296, 0.4017, 0.3834)

Conversions

Conversions Part 1

Format	Color
Hex	E4B081
RGB	228, 176, 129
RGB Percent	89%, 69%, 51%
CMY	0.1060, 0.3097, 0.4941
CMYK	0.00, 0.23, 0.43, 0.11
HSL	29°, 65%, 70%
HSV	29°, 43%, 89%
XYZ	51.4746, 49.1296, 27.5377
YIQ	186.1900, 46.0790, -3.5930

Conversions

Conversions Part 2

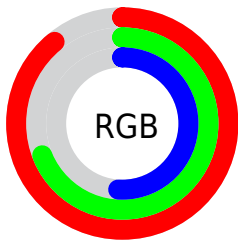
Format	Color
R_{YB}	228, 218, 129
Decimal	14987393
CIE _{Lab}	75.53, 13.02, 31.33
CIE _{LCh}	76, 33.933, 67.432
Yxy	49.1296, 0.4017, 0.3834
Android (android.graphics.Color)	4293177473 (0xFFE4B081)
YUV	186.1900, -28.1947, 36.6674
Hunter-Lab	70.0925, 8.4251, 25.7711

Details

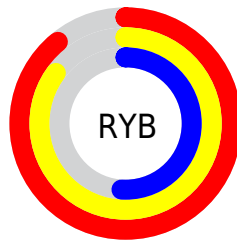
The Yxy color **49.1296, 0.4017, 0.3834** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **43.2918, 0.2435, 0.2664**, and the grayscale version is **49.3567, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3506, 0.3621, 0.3797**, and **23.2765, 0.4255, 0.3951** is the 20% darker color. If you saturate the color by 10%, you get **44.1037, 0.4288, 0.3950**, and if you desaturate by 10%, it is **54.7090, 0.3769, 0.3707**.

Distribution



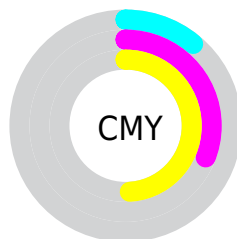
- Red (89%)
- Green (69%)
- Blue (51%)



- Red (89%)
- Yellow (85%)
- Blue (51%)



- Cyan (0%)
- Magenta (23%)
- Yellow (43%)
- Black (11%)





- Cyan (11%)
- Magenta (31%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.1296, 0.4017, 0.3834 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 49.1296, 0.4017, 0.3834 by changing the saturation by 10% instead.


 49.1296, 0.4017,
0.3834


 49.1296, 0.4017,
0.3834

383.2523, 0.3577,
0.3581

 34.7223, 0.4123,
0.3889


 88.8839, 0.3859,
0.3748

 23.4490, 0.4257,
0.3956


 114.9997, 0.3799,
0.3713

 14.9254, 0.4428,
0.4035


 145.7871, 0.3748,
0.3684

 8.7671, 0.4654,
0.4127

181.6305, 0.3704,
0.3658

 4.5896, 0.4958,
0.4225

222.9144, 0.3666,
0.3636

 2.0085, 0.5557,
0.4443

270.0230, 0.3633,

 0.6124, 0.5954,

0.3615

0.4046

323.3409, 0.3603,
0.3598

0.0000, 0.0000,
0.0000

49.1296, 0.4017,
0.3834

49.1296, 0.4017,
0.3834

44.1037, 0.4288,
0.3950

54.7090, 0.3769,
0.3707

39.6047, 0.4574,
0.4043

60.8535, 0.3547,
0.3578

35.6135, 0.4861,
0.4101

67.5827, 0.3351,
0.3451

32.1068, 0.5132,
0.4112

74.9135, 0.3180,
0.3330

29.0583, 0.5367,
0.4068

82.8615, 0.3032,
0.3216

■ 27.2794, 0.5501,
0.4014

■ 90.7283, 0.2963,
0.3217

■ 95.2285, 0.2964,
0.3290

Harmonies

Analogous

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



49.1296, 0.4032, 0.3479



49.1296, 0.4017, 0.3834



49.1296, 0.3752, 0.4083

Triad

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



49.1296, 0.4017, 0.3834



49.1296, 0.2500, 0.3437



49.1296, 0.2873, 0.2594

Complementary

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



49.1296, 0.4017, 0.3834



43.2918, 0.2435, 0.2664

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.



49.1296, 0.2502, 0.2547



49.1296, 0.4017, 0.3834



49.1296, 0.2300, 0.2992

Square

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



49.1296, 0.4017, 0.3834



49.1296, 0.2871, 0.3872



49.1296, 0.2302, 0.2678



49.1296, 0.3342, 0.2796

Rectangle

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



49.1296, 0.4017, 0.3834



49.1296, 0.3481, 0.4134



49.1296, 0.2302, 0.2678



49.1296, 0.2734, 0.2560

Sweetspot

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



49.1319, 0.4017, 0.3834



87.4424, 0.3345, 0.3447



35.5569, 0.3648, 0.2688



18.2884, 0.3386, 0.3474



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.



49.1319, 0.4017, 0.3834



57.5410, 0.4257, 0.3938



71.7441, 0.3786, 0.4326



15.4918, 0.3281, 0.3402



15.9912, 0.5476, 0.4034



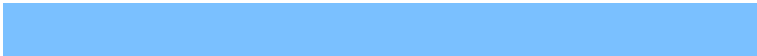
1.3666, 0.5240, 0.4221

Inverse Universe

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



43.2918, 0.2435, 0.2664



49.0857, 0.2298, 0.2507



26.8499, 0.2320, 0.1987



15.1329, 0.2981, 0.3175



11.1850, 0.1796, 0.1666



1.0123, 0.1867, 0.1920

Previews

White Background



This preview shows how the Yxy color 49.1296, 0.4017, 0.3834 looks on a white background.

Color Contrast Check

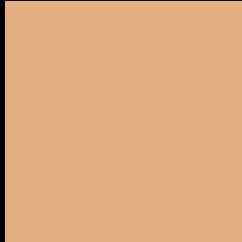
Large Text (above 18pt) WCAG AA × Fail

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 49.1296, 0.4017, 0.3834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

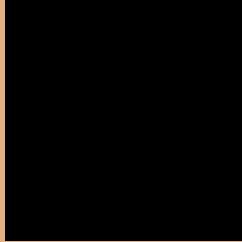
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.1296, 0.4017, 0.3834

Background



This preview shows how black text looks on a background with the Yxy color 49.1296, 0.4017, 0.3834.



This preview shows how white text looks on a background with the Yxy color 49.1296, 0.4017, 0.3834.

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

49.1296, 0.4017, 0.3834

Protanopia

49.2288, 0.3689, 0.3958

Deuteranopia

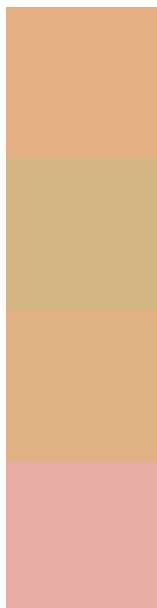
48.9554, 0.3952, 0.3869



Tritanopia

49.0770, 0.3603, 0.3144

Trichromacy



Original Color

49.1296, 0.4017, 0.3834

Protanomaly

48.9707, 0.3806, 0.3902

Deuteranomaly

48.8766, 0.3975, 0.3853

Tritanomaly

49.1383, 0.3753, 0.3395

Monochromacy



Original Color

49.1296, 0.4017, 0.3834

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.5900, 0.3433, 0.3504

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1296, 0.4017, 0.3834 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(228, 176, 129)` looks like.

```
.text, #text, p{  
    color:rgb(228, 176, 129)  
}
```

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(228, 176, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 176, 129) }
```

Border

The CSS property to change the border of an element to Yxy 49.1296, 0.4017, 0.3834 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(228, 176, 129) }
```

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

```
.border{ border-color:rgb(228, 176, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 176, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 176, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 176, 129);  
box-shadow:4px 4px 4px 4px rgb(228, 176,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1296, 0.4017, 0.3834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 176, 129) }
```

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

```
.background{ background-color: rgb(228,  
176, 129) }
```

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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