

Converting Colors

$Y_{xy}(49.8233, 0.3831, 0.3601)$

Have a look what the booklet for
Yxy(49.8233, 0.3831, 0.3601)
contains.

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Color

Yxy(49.7467, 0.3830, 0.3594)

Conversions

Conversions Part 1

Format	Color
Hex	E4B096
RGB	228, 176, 150
RGB Percent	89%, 69%, 59%
CMY	0.1061, 0.3097, 0.4118
CMYK	0.00, 0.23, 0.34, 0.11
HSL	20°, 59%, 74%
HSV	20°, 34%, 89%
XYZ	53.0133, 49.7467, 35.6560
YIQ	188.5840, 39.3380, 2.9380

Conversions

Conversions Part 2

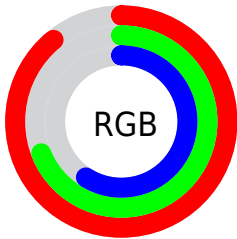
Format	Color
R _Y B	228, 189, 150
Decimal	14987414
CIE Lab	75.91, 15.40, 20.62
CIE LCh	76, 25.733, 53.244
Yxy	49.7467, 0.3830, 0.3594
Android (android.graphics.Color)	4293177494 (0xFFE4B096)
YUV	188.5840, -19.0219, 34.5678
Hunter-Lab	70.5313, 10.7357, 19.3989

Details

The Yxy color **49.7467, 0.3830, 0.3594** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **54.2821, 0.2601, 0.2962**, and the grayscale version is **50.7320, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3329, 0.3472, 0.3572**, and **23.7247, 0.4029, 0.3658** is the 20% darker color. If you saturate the color by 10%, you get **43.4591, 0.4115, 0.3684**, and if you desaturate by 10%, it is **56.8477, 0.3583, 0.3501**.

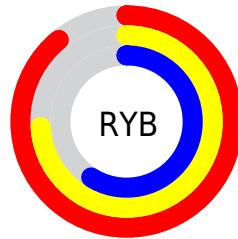
Distribution



Red (89%)

Green (69%)

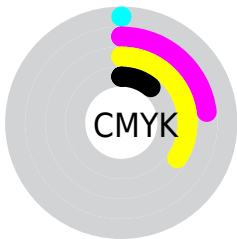
Blue (59%)



Red (89%)

Yellow (74%)

Blue (59%)

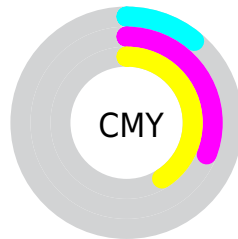


Cyan (0%)

Magenta (23%)

Yellow (34%)

Black (11%)



Cyan (11%)

Magenta (31%)

Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.7467, 0.3830, 0.3594 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 49.7467, 0.3830, 0.3594 by changing the saturation by 10% instead.


 49.7467, 0.3830,
0.3594


 49.7467, 0.3830,
0.3594


385.6746, 0.3480,
0.3454

 35.2122, 0.3916,
0.3625


 89.7995, 0.3703,
0.3546

 23.8264, 0.4026,
0.3663


 116.0865, 0.3656,
0.3527

 15.2049, 0.4171,
0.3708


147.0598, 0.3615,
0.3511

 8.9633, 0.4368,
0.3764

183.1038, 0.3580,
0.3496

 4.7172, 0.4650,
0.3828

224.6029, 0.3550,
0.3484

 2.0823, 0.5153,
0.3944

271.9414, 0.3524,

 0.6547, 0.6063,

0.3473

0.3937

325.5039, 0.3501,
0.3463

0.0000, 0.0000,
0.0000

49.7467, 0.3830,
0.3594

49.7467, 0.3830,
0.3594

43.4591, 0.4115,
0.3684

56.8477, 0.3583,
0.3501

37.9478, 0.4435,
0.3763

64.7836, 0.3373,
0.3411

33.1829, 0.4783,
0.3821

73.5836, 0.3194,
0.3324

29.1298, 0.5140,
0.3846

83.2736, 0.3043,
0.3244

25.7505, 0.5477,
0.3825

93.2873, 0.2963,
0.3259

■ 23.0027, 0.5761,
0.3754

■ 95.2263, 0.2964,
0.3290

■ 21.6736, 0.5899,
0.3698

Harmonies

Analogous

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



49.7467, 0.3741, 0.3307



49.7467, 0.3830, 0.3594



49.7467, 0.3719, 0.3824

Triad

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



49.7467, 0.3830, 0.3594



49.7467, 0.2773, 0.3564



49.7467, 0.2788, 0.2719

Complementary

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



49.7467, 0.3830, 0.3594



54.2821, 0.2601, 0.2962

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.



49.7467, 0.2556, 0.2752



49.7467, 0.3830, 0.3594



49.7467, 0.2547, 0.3224

Square

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



49.7467, 0.3830, 0.3594



49.7467, 0.3101, 0.3830



49.7467, 0.2471, 0.2928



49.7467, 0.3122, 0.2821

Rectangle

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



49.7467, 0.3830, 0.3594



49.7467, 0.3552, 0.3909



49.7467, 0.2471, 0.2928



49.7467, 0.2696, 0.2714

Sweetspot

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



49.7490, 0.3830, 0.3594



88.1039, 0.3295, 0.3374



42.5574, 0.3403, 0.2705



18.5198, 0.3321, 0.3387



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.



49.7490, 0.3830, 0.3594



58.3288, 0.4027, 0.3658



67.2678, 0.3685, 0.4013



15.1505, 0.3284, 0.3369



12.7159, 0.5872, 0.3720



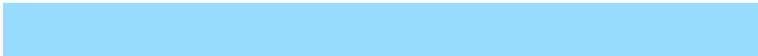
1.1057, 0.5588, 0.3945

Inverse Universe

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



54.2821, 0.2601, 0.2962



64.9761, 0.2498, 0.2882



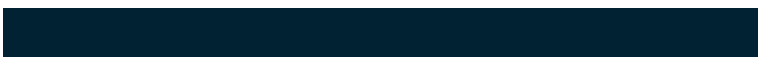
38.2693, 0.2533, 0.2444



15.4828, 0.2981, 0.3210



16.4003, 0.1934, 0.2162



1.3812, 0.1985, 0.2346

Previews

White Background



This preview shows how the Yxy color 49.7467, 0.3830, 0.3594 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 49.7467, 0.3830, 0.3594 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

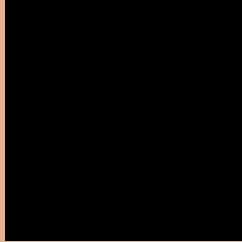
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.7467, 0.3830, 0.3594

Background



This preview shows how black text looks on a background with the Yxy color 49.7467, 0.3830, 0.3594.



This preview shows how white text looks on a background with the Yxy color 49.7467, 0.3830, 0.3594.

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

49.7467, 0.3830, 0.3594

Protanopia

49.9130, 0.3478, 0.3696

Deuteranopia

49.8725, 0.3741, 0.3662



Tritanopia

49.7423, 0.3571, 0.3144

Trichromacy



Original Color

49.7467, 0.3830, 0.3594

Protanomaly

49.7222, 0.3605, 0.3660

Deuteranomaly

49.9397, 0.3773, 0.3646

Tritanomaly

49.8546, 0.3667, 0.3303

Monochromacy



Original Color

49.7467, 0.3830, 0.3594

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

50.0726, 0.3363, 0.3402

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7467, 0.3830, 0.3594 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, 150)` looks like.

```
.text, #text, p{  
    color:rgb(228, 176, 150)  
}
```

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, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 176, 150) }
```

Border

The CSS property to change the border of an element to Yxy 49.7467, 0.3830, 0.3594 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, 150) }
```

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

```
.border{ border-color:rgb(228, 176, 150) }
```

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, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 176, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 176, 150);  
box-shadow:4px 4px 4px 4px rgb(228, 176,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7467, 0.3830, 0.3594 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, 150) }
```

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

```
.background{ background-color: rgb(228,  
176, 150) }
```

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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