

Converting Colors

$Y_{xy}(48.7908, 0.3756, 0.3420)$

Have a look what the booklet for
Yxy(48.7908, 0.3756, 0.3420)
contains.

Yxy(48.7363, 0.3753, 0.3419)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(48.7363, 0.3753, 0.3419)

Conversions

Conversions Part 1

Format	Color
Hex	E5ACA1
RGB	229, 172, 161
RGB Percent	90%, 67%, 63%
CMY	0.1020, 0.3255, 0.3686
CMYK	0.00, 0.25, 0.30, 0.10
HSL	10°, 57%, 76%
HSV	10°, 30%, 90%
XYZ	53.4973, 48.7363, 40.3119
YIQ	187.7890, 37.5030, 8.6630

Conversions

Conversions Part 2

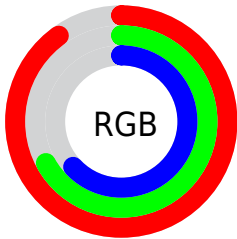
Format	Color
R _Y B	229, 174, 161
Decimal	15051937
CIE Lab	75.29, 19.35, 13.78
CIE LCh	75, 23.754, 35.459
Yxy	48.7363, 0.3753, 0.3419
Android (android.graphics.Color)	4293242017 (0xFFE5ACA1)
YUV	187.7890, -13.2070, 36.1420
Hunter-Lab	69.8114, 14.6168, 14.6316

Details

The Yxy color **48.7363, 0.3753, 0.3419** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **63.3762, 0.2685, 0.3156**, and the grayscale version is **50.2253, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7047, 0.3397, 0.3411**, and **23.0684, 0.3938, 0.3445** is the 20% darker color. If you saturate the color by 10%, you get **41.2162, 0.4057, 0.3464**, and if you desaturate by 10%, it is **57.4643, 0.3501, 0.3373**.

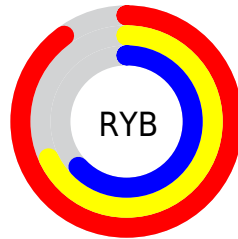
Distribution



Red (90%)

Green (67%)

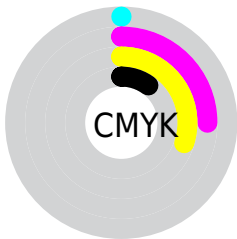
Blue (63%)



Red (90%)

Yellow (68%)

Blue (63%)

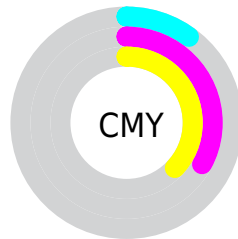


Cyan (0%)

Magenta (25%)

Yellow (30%)

Black (10%)



Cyan (10%)


Magenta (33%)

Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.7363, 0.3753, 0.3419 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 48.7363, 0.3753, 0.3419 by changing the saturation by 10% instead.


 48.7363, 0.3753,
0.3419


 48.7363, 0.3753,
0.3419


381.7033, 0.3439,
0.3363

 34.4103, 0.3831,
0.3431


 88.2997, 0.3639,
0.3400

 23.2090, 0.3931,
0.3444


 114.3059, 0.3596,
0.3393

 14.7479, 0.4064,
0.3459


144.9743, 0.3560,
0.3386

 8.6427, 0.4249,
0.3475

180.6893, 0.3529,
0.3380

 4.5088, 0.4519,
0.3489

221.8353, 0.3502,
0.3375

 1.9621, 0.4953,
0.3485

268.7967, 0.3479,

 0.5853, 0.6405,

0.3371

0.3595

321.9579, 0.3458,
0.3366

0.0000, 0.0000,
0.0000

48.7363, 0.3753,
0.3419

48.7363, 0.3753,
0.3419

41.2162, 0.4057,
0.3464

57.4643, 0.3501,
0.3373

34.8440, 0.4414,
0.3504

67.4432, 0.3293,
0.3330

29.5649, 0.4819,
0.3534

78.7221, 0.3122,
0.3289

25.3167, 0.5251,
0.3544

91.3456, 0.2982,
0.3251

22.0310, 0.5668,
0.3527

95.3965, 0.2970,
0.3290

■ 19.6309, 0.6015,
0.3481

■ 18.0214, 0.6252,
0.3415

■ 17.9818, 0.6258,
0.3413

Harmonies

Analogous

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



48.7363, 0.3566, 0.3150



48.7363, 0.3753, 0.3419



48.7363, 0.3760, 0.3673

Triad

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



48.7363, 0.3753, 0.3419



48.7363, 0.2973, 0.3705



48.7363, 0.2668, 0.2759

Complementary

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



48.7363, 0.3753, 0.3419



63.3762, 0.2685, 0.3156

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.



48.7363, 0.2529, 0.2872



48.7363, 0.3753, 0.3419



48.7363, 0.2698, 0.3418

Square

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



48.7363, 0.3753, 0.3419



48.7363, 0.3299, 0.3863



48.7363, 0.2539, 0.3108



48.7363, 0.2931, 0.2781

Rectangle

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



48.7363, 0.3753, 0.3419



48.7363, 0.3664, 0.3800



48.7363, 0.2539, 0.3108



48.7363, 0.2606, 0.2782

Sweetspot

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



48.7386, 0.3753, 0.3419



86.9429, 0.3281, 0.3327



47.2550, 0.3248, 0.2654



18.1852, 0.3308, 0.3333



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.



48.7386, 0.3753, 0.3419



55.7711, 0.3945, 0.3449



62.9881, 0.3645, 0.3788



14.7426, 0.3288, 0.3329



10.3966, 0.6238, 0.3429



0.8829, 0.5983, 0.3631

Inverse Universe

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



63.3762, 0.2685, 0.3156



77.4378, 0.2597, 0.3123



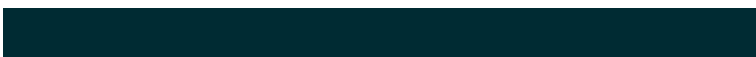
47.8521, 0.2638, 0.2736



15.9185, 0.2981, 0.3251



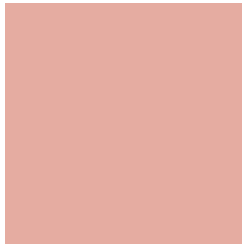
24.9294, 0.2102, 0.2768



1.9488, 0.2126, 0.2852

Previews

White Background



This preview shows how the Yxy color 48.7363, 0.3753, 0.3419 looks on a white background.

Color Contrast Check

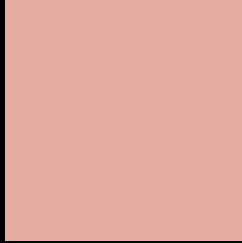
Large Text (above 18pt) WCAG AA × Fail

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 48.7363, 0.3753, 0.3419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

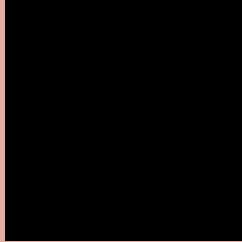
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.7363, 0.3753, 0.3419

Background



This preview shows how black text looks on a background with the Yxy color 48.7363, 0.3753, 0.3419.



This preview shows how white text looks on a background with the Yxy color 48.7363, 0.3753, 0.3419.

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

48.7363, 0.3753, 0.3419

Protanopia

48.8625, 0.3332, 0.3508

Deuteranopia

48.9244, 0.3593, 0.3522



Tritanopia

48.7423, 0.3585, 0.3143

Trichromacy



Original Color

48.7363, 0.3753, 0.3419

Protanomaly

48.4809, 0.3483, 0.3477

Deuteranomaly

48.6488, 0.3657, 0.3483

Tritanomaly

48.6284, 0.3647, 0.3246

Monochromacy



Original Color

48.7363, 0.3753, 0.3419

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

49.3668, 0.3342, 0.3340

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7363, 0.3753, 0.3419 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(229, 172, 161)` looks like.

```
.text, #text, p{  
    color:rgb(229, 172, 161)  
}
```

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(229, 172, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 172, 161) }
```

Border

The CSS property to change the border of an element to Yxy 48.7363, 0.3753, 0.3419 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(229, 172, 161) }
```

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

```
.border{ border-color:rgb(229, 172, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 172, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 172, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 172, 161);  
box-shadow:4px 4px 4px 4px rgb(229, 172,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7363, 0.3753, 0.3419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 172, 161) }
```

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

```
.background{ background-color: rgb(229,  
172, 161) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor