

# Converting Colors

$Y_{xy}(48.4083, 0.3778, 0.3345)$

Have a look what the booklet for  
Yxy(48.4083, 0.3778, 0.3345)  
contains.

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# Color

**Yxy(48.5487, 0.3781, 0.3349)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAA9A4
RGB	234, 169, 164
RGB Percent	92%, 66%, 64%
CMY	0.0825, 0.3372, 0.3568
CMYK	0.00, 0.28, 0.30, 0.08
HSL	4°, 62%, 78%
HSV	4°, 30%, 92%
XYZ	54.8112, 48.5487, 41.6049
YIQ	187.8650, 40.3450, 12.2250

# Conversions

## Conversions Part 2

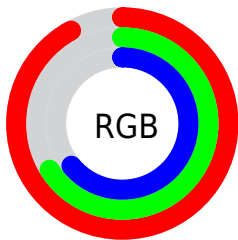
Format	Color
R <sub>Y</sub> B	234, 169, 164
Decimal	15378852
CIE Lab	75.17, 23.21, 12.06
CIE LCh	75, 26.152, 27.458
Yxy	48.5487, 0.3781, 0.3349
Android (android.graphics.Color)	4293568932 (0xFFEAA9A4)
YUV	187.8650, -11.7654, 40.4604
Hunter-Lab	69.6769, 18.4821, 13.3711

# Details

The Yxy color **48.5487, 0.3781, 0.3349** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **69.8373, 0.2690, 0.3230**, and the grayscale version is **50.2603, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.2249, 0.3381, 0.3351**, and **23.0077, 0.3977, 0.3352** is the 20% darker color. If you saturate the color by 10%, you get **40.3601, 0.4106, 0.3369**, and if you desaturate by 10%, it is **58.2395, 0.3515, 0.3328**.

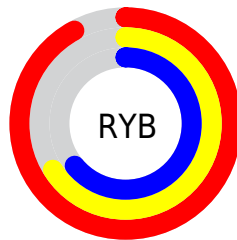
# Distribution



Red (92%)

Green (66%)

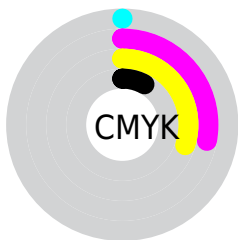
Blue (64%)



Red (92%)

Yellow (66%)

Blue (64%)

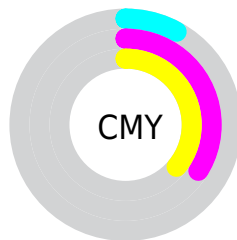


Cyan (0%)

Magenta (28%)

Yellow (30%)

Black (8%)



Cyan (8%)

Magenta (34%)


Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.5487, 0.3781, 0.3349 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 48.5487, 0.3781, 0.3349 by changing the saturation by 10% instead.




 48.5487, 0.3781,  
0.3349


 48.5487, 0.3781,  
0.3349

380.9629, 0.3453,  
0.3327

 34.2616, 0.3863,  
0.3352


 88.0208, 0.3662,  
0.3343

 23.0947, 0.3968,  
0.3354


 113.9746, 0.3617,  
0.3340

 14.6634, 0.4107,  
0.3355


144.5861, 0.3579,  
0.3338

 8.5835, 0.4300,  
0.3351

180.2397, 0.3547,  
0.3335

 4.4705, 0.4585,  
0.3337

221.3198, 0.3519,  
0.3333

 1.9401, 0.5041,  
0.3288

268.2108, 0.3494,

 0.5723, 0.6658,

0.3331

321.2970, 0.3472,  
0.3329

0.3342

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

48.5487, 0.3781,  
0.3349

48.5487, 0.3781,  
0.3349

40.3601, 0.4106,  
0.3369

58.2395, 0.3515,  
0.3328

33.5920, 0.4492,  
0.3387

69.4950, 0.3300,  
0.3308

28.1655, 0.4932,  
0.3399

82.3829, 0.3126,  
0.3290

23.9913, 0.5396,  
0.3401

96.2259, 0.2999,  
0.3290

■ 20.9690, 0.5829,  
0.3389

■ 18.9830, 0.6164,  
0.3363

■ 17.8874, 0.6358,  
0.3333

■ 17.8803, 0.6359,  
0.3333

# Harmonies

## Analogous

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



48.5487, 0.3530, 0.3062



48.5487, 0.3781, 0.3349



48.5487, 0.3843, 0.3639

# Triad

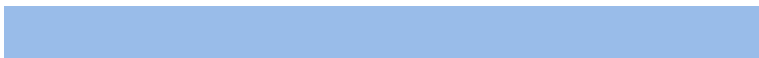
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



48.5487, 0.3781, 0.3349



48.5487, 0.3049, 0.3815



48.5487, 0.2568, 0.2725

# Complementary

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



48.5487, 0.3781, 0.3349



69.8373, 0.2690, 0.3230

# 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.



48.5487, 0.2458, 0.2885



48.5487, 0.3781, 0.3349



48.5487, 0.2724, 0.3523

# Square

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



48.5487, 0.3781, 0.3349



48.5487, 0.3408, 0.3937



48.5487, 0.2513, 0.3174



48.5487, 0.2823, 0.2713



# Rectangle

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



48.5487, 0.3781, 0.3349



48.5487, 0.3770, 0.3799



48.5487, 0.2513, 0.3174



48.5487, 0.2513, 0.2762

# Sweetspot

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



48.5510, 0.3781, 0.3349



85.7622, 0.3283, 0.3307



49.7118, 0.3200, 0.2592



17.8970, 0.3311, 0.3310



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.



48.5510, 0.3781, 0.3349



52.5813, 0.3977, 0.3362



63.1841, 0.3669, 0.3731



15.2275, 0.3291, 0.3308



10.1174, 0.6347, 0.3342



0.8553, 0.6210, 0.3451



# Inverse Universe

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



69.8373, 0.2690, 0.3230



82.4164, 0.2610, 0.3216



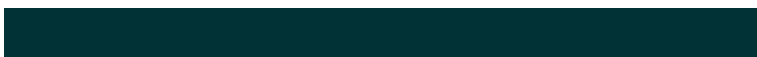
52.5566, 0.2642, 0.2804



16.9260, 0.2981, 0.3272



31.3649, 0.2185, 0.3065



2.5184, 0.2194, 0.3098



# Previews

## White Background



This preview shows how the Yxy color 48.5487, 0.3781, 0.3349 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 48.5487, 0.3781, 0.3349 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 48.5487, 0.3781, 0.3349**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.5487, 0.3781, 0.3349.



This preview shows how white text looks on a background with the Yxy color 48.5487, 0.3781, 0.3349.

# 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

48.5487, 0.3781, 0.3349

### Protanopia

48.8829, 0.3290, 0.3456

### Deuteranopia

48.8459, 0.3566, 0.3498



## Tritanopia

48.7250, 0.3664, 0.3157

# Trichromacy



**Original Color**

48.5487, 0.3781, 0.3349

**Protanomaly**

48.3702, 0.3460, 0.3414

**Deuteranomaly**

48.5199, 0.3642, 0.3434

**Tritanomaly**

48.7234, 0.3699, 0.3224

# Monochromacy



**Original Color**

48.5487, 0.3781, 0.3349

**Achromatopsia**

50.2886, 0.3127, 0.3290

**Achromatomaly**

49.2816, 0.3353, 0.3315

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.5487, 0.3781, 0.3349 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(234, 169, 164)` looks like.

```
.text, #text, p{  
    color:rgb(234, 169, 164)  
}
```

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(234, 169, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 169, 164) }
```

## Border

The CSS property to change the border of an element to Yxy 48.5487, 0.3781, 0.3349 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(234, 169, 164) }
```

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

```
.border{ border-color:rgb(234, 169, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 169, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 169, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 169, 164);  
box-shadow:4px 4px 4px 4px rgb(234, 169,  
164) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.5487, 0.3781, 0.3349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 169, 164) }
```

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

```
.background{ background-color: rgb(234,  
169, 164) }
```

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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