

# Converting Colors

$Y_{xy}(48.6669, 0.3675, 0.3273)$

Have a look what the booklet for  
Yxy(48.6669, 0.3675, 0.3273)  
contains.

<b>Yxy(48.7169, 0.3675, 0.3269)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(48.7169, 0.3675, 0.3269)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7AAAC
RGB	231, 170, 172
RGB Percent	91%, 67%, 67%
CMY	0.0942, 0.3332, 0.3255
CMYK	0.00, 0.26, 0.26, 0.09
HSL	358°, 56%, 79%
HSV	358°, 26%, 91%
XYZ	54.7674, 48.7169, 45.5426
YIQ	188.4670, 35.7140, 13.5540

# Conversions

## Conversions Part 2

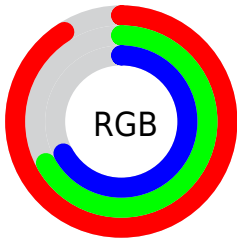
Format	Color
R <sub>Y</sub> B	231, 170, 172
Decimal	15182508
CIE Lab	75.27, 22.64, 7.80
CIE LCh	75, 23.948, 19.006
Yxy	48.7169, 0.3675, 0.3269
Android (android.graphics.Color)	4293372588 (0xFFE7AAAC)
YUV	188.4670, -8.1182, 37.3014
Hunter-Lab	69.7975, 17.9164, 10.1717

# Details

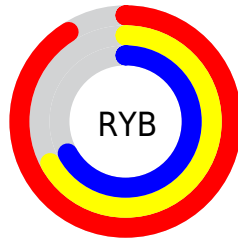
The Yxy color **48.7169, 0.3675, 0.3269** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **71.3383, 0.2753, 0.3312**, and the grayscale version is **50.6010, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.1988, 0.3325, 0.3281**, and **23.0773, 0.3828, 0.3247** is the 20% darker color. If you saturate the color by 10%, you get **40.0180, 0.3980, 0.3261**, and if you desaturate by 10%, it is **59.0860, 0.3429, 0.3277**.

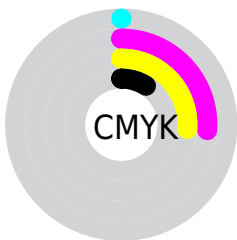
# Distribution



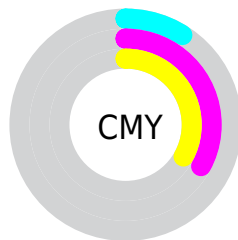
- Red (91%)
- Green (67%)
- Blue (67%)



- Red (91%)
- Yellow (67%)
- Blue (67%)



- Cyan (0%)
- Magenta (26%)
- Yellow (26%)
- Black (9%)




- Cyan (9%)
- Magenta (33%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7169, 0.3675, 0.3269 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 48.7169, 0.3675, 0.3269 by changing the saturation by 10% instead.





 48.7169, 0.3675,  
0.3269

 48.7169, 0.3675,  
0.3269


381.6268, 0.3401,  
0.3284

 34.3950, 0.3743,  
0.3264


 88.2708, 0.3575,  
0.3276

 23.1972, 0.3831,  
0.3256


114.2716, 0.3538,  
0.3278

 14.7392, 0.3948,  
0.3245


144.9342, 0.3506,  
0.3279

 8.6365, 0.4110,  
0.3227

180.6428, 0.3479,  
0.3281

 4.5049, 0.4350,  
0.3195

221.7820, 0.3456,  
0.3282

 1.9598, 0.4739,  
0.3129

268.7362, 0.3435,

 0.5840, 0.6276,

0.3283

0.3224

321.8896, 0.3417,  
0.3284

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

48.7169, 0.3675,  
0.3269

48.7169, 0.3675,  
0.3269

40.0180, 0.3980,  
0.3261

59.0860, 0.3429,  
0.3277

32.8956, 0.4351,  
0.3254

71.1990, 0.3232,  
0.3285

27.2575, 0.4783,  
0.3250

85.1333, 0.3074,  
0.3293

22.9987, 0.5255,  
0.3250

95.7233, 0.2981,  
0.3290

■ 20.0009, 0.5715,  
0.3256

■ 18.1258, 0.6093,  
0.3268

■ 17.2006, 0.6325,  
0.3284

■ 16.9997, 0.6375,  
0.3285

# Harmonies

## Analogous

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



48.7169, 0.3410, 0.3014



48.7169, 0.3675, 0.3269



48.7169, 0.3785, 0.3541

# Triad

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



48.7169, 0.3675, 0.3269



48.7169, 0.3151, 0.3817



48.7169, 0.2570, 0.2800

# Complementary

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



48.7169, 0.3675, 0.3269



71.3383, 0.2753, 0.3312

# 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.



48.7169, 0.2511, 0.2985



48.7169, 0.3675, 0.3269



48.7169, 0.2835, 0.3588

# Square

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



48.7169, 0.3675, 0.3269



48.7169, 0.3472, 0.3879



48.7169, 0.2605, 0.3274



48.7169, 0.2771, 0.2749



# Rectangle

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



48.7169, 0.3675, 0.3269



48.7169, 0.3753, 0.3702



48.7169, 0.2605, 0.3274



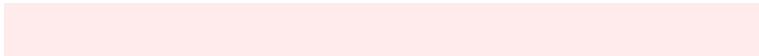
48.7169, 0.2533, 0.2848

# Sweetspot

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



48.7192, 0.3675, 0.3269



86.4611, 0.3261, 0.3284



51.1725, 0.3141, 0.2631



17.9966, 0.3289, 0.3283



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.



48.7192, 0.3675, 0.3269



54.4370, 0.3844, 0.3264



60.4864, 0.3612, 0.3611



14.3755, 0.3287, 0.3283



9.5369, 0.6365, 0.3280



0.7074, 0.6266, 0.3226



# Inverse Universe

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



48.7192, 0.3675, 0.3269



54.4370, 0.3844, 0.3264



56.8042, 0.2709, 0.2946



14.3755, 0.3287, 0.3283



9.5369, 0.6365, 0.3280



0.7074, 0.6266, 0.3226



# Previews

## White Background



This preview shows how the Yxy color 48.7169, 0.3675, 0.3269 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

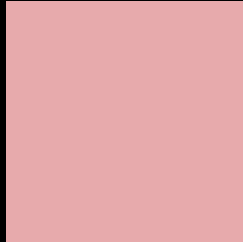
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.7169, 0.3675, 0.3269 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 48.7169, 0.3675, 0.3269**

## Background



This preview shows how black text looks on a background with the Yxy color 48.7169, 0.3675, 0.3269.



This preview shows how white text looks on a background with the Yxy color 48.7169, 0.3675, 0.3269.

# 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

48.7169, 0.3675, 0.3269

### Protanopia

48.9404, 0.3209, 0.3354

### Deuteranopia

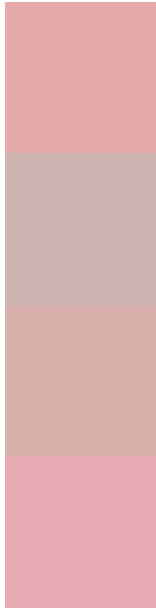
48.6978, 0.3469, 0.3401



## Tritanopia

48.8679, 0.3603, 0.3155

# Trichromacy



## Original Color

48.7169, 0.3675, 0.3269

## Protanomaly

48.7960, 0.3371, 0.3328

## Deuteranomaly

48.7427, 0.3540, 0.3351

## Tritanomaly

48.7461, 0.3631, 0.3189

# Monochromacy



## Original Color

48.7169, 0.3675, 0.3269

## Achromatopsia

50.2886, 0.3127, 0.3290

## Achromatomaly

49.2625, 0.3319, 0.3278

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.7169, 0.3675, 0.3269 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(231, 170, 172)` looks like.

```
.text, #text, p{  
    color:rgb(231, 170, 172)  
}
```

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(231, 170, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 170, 172) }
```

## Border

The CSS property to change the border of an element to Yxy 48.7169, 0.3675, 0.3269 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(231, 170, 172) }
```

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

```
.border{ border-color:rgb(231, 170, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 170, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 170, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 170, 172);  
box-shadow:4px 4px 4px 4px rgb(231, 170,  
172) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.7169, 0.3675, 0.3269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 170, 172) }
```

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

```
.background{ background-color: rgb(231,  
170, 172) }
```

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