

# Converting Colors

$Yxy(48.5047, 0.4007, 0.3712)$

Have a look what the booklet for  
Yxy(48.5047, 0.4007, 0.3712)  
contains.

<b>Yxy(48.2715, 0.4003, 0.3705)</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(48.2715, 0.4003, 0.3705)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7AC88
RGB	231, 172, 136
RGB Percent	91%, 67%, 53%
CMY	0.0941, 0.3255, 0.4667
CMYK	0.00, 0.26, 0.41, 0.09
HSL	23°, 66%, 72%
HSV	23°, 41%, 91%
XYZ	52.1541, 48.2715, 29.8619
YIQ	185.5370, 46.7200, 1.3120

# Conversions

## Conversions Part 2

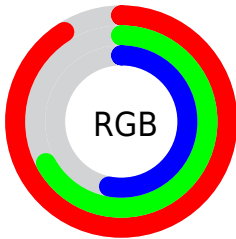
Format	Color
RYB	231, 194, 136
Decimal	15182984
CIELab	75.00, 17.12, 26.95
CIELCh	75, 31.925, 57.574
Yxy	48.2715, 0.4003, 0.3705
Android (android.graphics.Color)	4293373064 (0xFFE7AC88)
YUV	185.5370, -24.4217, 39.8711
Hunter-Lab	69.4777, 12.4067, 23.1512

# Details

The Yxy color **48.2715, 0.4003, 0.3705** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **50.0407, 0.2490, 0.2826**, and the grayscale version is **48.9515, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.9159, 0.3579, 0.3667**, and **22.9891, 0.4236, 0.3799** is the 20% darker color. If you saturate the color by 10%, you get **42.5162, 0.4299, 0.3800**, and if you desaturate by 10%, it is **54.7627, 0.3740, 0.3602**.

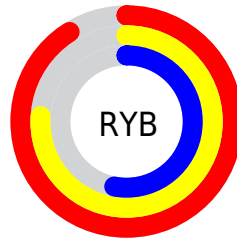
# Distribution



Red (91%)

Green (67%)

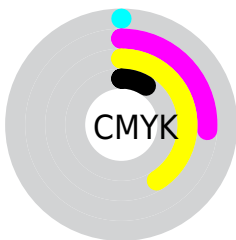
Blue (53%)



Red (91%)

Yellow (76%)

Blue (53%)

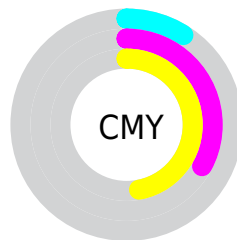


Cyan (0%)

Magenta (26%)

Yellow (41%)

Black (9%)



Cyan (9%)

Magenta (33%)


Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.2715, 0.4003, 0.3705 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 48.2715, 0.4003, 0.3705 by changing the saturation by 10% instead.





 48.2715, 0.4003,  
0.3705


 48.2715, 0.4003,  
0.3705


379.8673, 0.3566,  
0.3515


 34.0419, 0.4110,  
0.3746


 87.6085, 0.3845,  
0.3641

 22.9258, 0.4246,  
0.3794


 113.4847, 0.3786,  
0.3615

 14.5387, 0.4423,  
0.3851


 144.0120, 0.3735,  
0.3593

 8.4963, 0.4661,  
0.3916

179.5746, 0.3692,  
0.3573

 4.4141, 0.4993,  
0.3980

220.5571, 0.3654,  
0.3556

 1.9078, 0.5771,  
0.4229

267.3438, 0.3621,

 0.5531, 0.6315,

0.3541

0.3685

320.3190, 0.3592,  
0.3527

0.0000, 0.0000,  
0.0000

48.2715, 0.4003,  
0.3705

48.2715, 0.4003,  
0.3705

42.5162, 0.4299,  
0.3800

54.7627, 0.3740,  
0.3602

37.4620, 0.4622,  
0.3877

62.0090, 0.3510,  
0.3497

33.0814, 0.4957,  
0.3923

70.0374, 0.3313,  
0.3396

29.3418, 0.5283,  
0.3925

78.8717, 0.3145,  
0.3300

26.2073, 0.5570,  
0.3875

88.5341, 0.3001,  
0.3212

■ 23.8929, 0.5780,  
0.3793

■ 95.7306, 0.2982,  
0.3290

# Harmonies

## Analogous

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



48.2715, 0.3930, 0.3355



48.2715, 0.4003, 0.3705



48.2715, 0.3825, 0.3983

# Triad

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



48.2715, 0.4003, 0.3705



48.2715, 0.2634, 0.3574



48.2715, 0.2757, 0.2596

# Complementary

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



48.2715, 0.4003, 0.3705



50.0407, 0.2490, 0.2826

# 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.



48.2715, 0.2451, 0.2606



48.2715, 0.4003, 0.3705



48.2715, 0.2383, 0.3139

# Square

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



48.2715, 0.4003, 0.3705



48.2715, 0.3025, 0.3941



48.2715, 0.2320, 0.2791



48.2715, 0.3182, 0.2743



# Rectangle

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



48.2715, 0.4003, 0.3705



48.2715, 0.3597, 0.4078



48.2715, 0.2320, 0.2791



48.2715, 0.2638, 0.2580

# Sweetspot

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



48.2738, 0.4003, 0.3705



86.6511, 0.3330, 0.3405



38.5935, 0.3511, 0.2618



18.2550, 0.3355, 0.3418



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.



48.2738, 0.4003, 0.3705



54.4727, 0.4242, 0.3783



69.0891, 0.3792, 0.4188



15.2584, 0.3283, 0.3380



13.6142, 0.5751, 0.3816



1.1806, 0.5478, 0.4033



# Inverse Universe

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



50.0407, 0.2490, 0.2826



56.9146, 0.2373, 0.2715



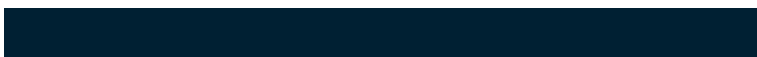
32.3957, 0.2389, 0.2194



15.3708, 0.2981, 0.3199



14.5745, 0.1890, 0.2002



1.2547, 0.1947, 0.2211



# Previews

## White Background



This preview shows how the Yxy color 48.2715, 0.4003, 0.3705 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 48.2715, 0.4003, 0.3705 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

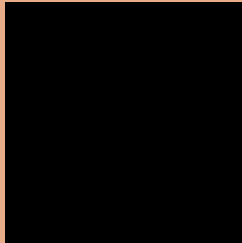
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.2715, 0.4003, 0.3705**

## Background



This preview shows how black text looks on a background with the Yxy color 48.2715, 0.4003, 0.3705.



This preview shows how white text looks on a background with the Yxy color 48.2715, 0.4003, 0.3705.

# 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

48.2715, 0.4003, 0.3705

### Protanopia

48.6567, 0.3591, 0.3838

### Deuteranopia

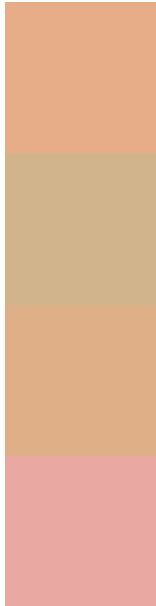
48.2536, 0.3877, 0.3794



## Tritanopia

48.1893, 0.3657, 0.3145

# Trichromacy



**Original Color**

48.2715, 0.4003, 0.3705

**Protanomaly**

48.2376, 0.3736, 0.3784

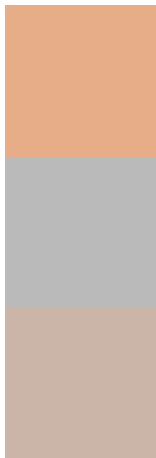
**Deuteranomaly**

48.0972, 0.3923, 0.3764

**Tritanomaly**

48.1420, 0.3794, 0.3349

# Monochromacy



**Original Color**

48.2715, 0.4003, 0.3705

**Achromatopsia**

49.1021, 0.3127, 0.3290

**Achromatomaly**

48.4315, 0.3419, 0.3453

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.2715, 0.4003, 0.3705 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, 172, 136)` looks like.

```
.text, #text, p{  
    color:rgb(231, 172, 136)  
}
```

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, 172, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 172, 136) }
```

## Border

The CSS property to change the border of an element to Yxy 48.2715, 0.4003, 0.3705 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, 172, 136) }
```

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

```
.border{ border-color:rgb(231, 172, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 172, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 172, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 172, 136);  
box-shadow:4px 4px 4px 4px rgb(231, 172,  
136) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.2715, 0.4003, 0.3705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 172, 136) }
```

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

```
.background{ background-color: rgb(231,  
172, 136) }
```

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