

# Converting Colors

$Yxy(47.4876, 0.4108, 0.3866)$

Have a look what the booklet for  
Yxy(47.4876, 0.4108, 0.3866)  
contains.

<b>Yxy(47.5682, 0.4110, 0.3865)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(47.5682, 0.4110, 0.3865)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5AC7A
RGB	229, 172, 122
RGB Percent	90%, 67%, 48%
CMY	0.1019, 0.3255, 0.5216
CMYK	0.00, 0.25, 0.47, 0.10
HSL	28°, 67%, 69%
HSV	28°, 47%, 90%
XYZ	50.5835, 47.5682, 24.9225
YIQ	183.3430, 50.0220, -3.4660

# Conversions

## Conversions Part 2

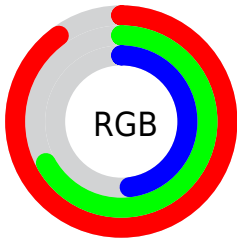
Format	Color
R <sub>Y</sub> B	229, 216, 122
Decimal	15051898
CIE Lab	74.55, 14.88, 33.78
CIE LCh	75, 36.915, 66.225
Yxy	47.5682, 0.4110, 0.3865
Android (android.graphics.Color)	4293241978 (0xFFE5AC7A)
YUV	183.3430, -30.2421, 40.0412
Hunter-Lab	68.9697, 10.2179, 26.8541

# Details

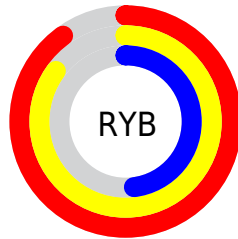
The Yxy color **47.5682, 0.4110, 0.3865** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **42.0406, 0.2385, 0.2618**, and the grayscale version is **47.7021, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2933, 0.3683, 0.3820**, and **22.5587, 0.4374, 0.3998** is the 20% darker color. If you saturate the color by 10%, you get **42.6349, 0.4390, 0.3973**, and if you desaturate by 10%, it is **53.0663, 0.3851, 0.3743**.

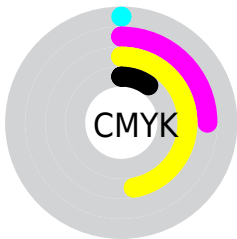
# Distribution



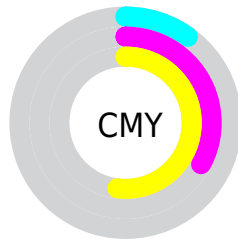
- Red (90%)
- Green (67%)
- Blue (48%)



- Red (90%)
- Yellow (85%)
- Blue (48%)



- Cyan (0%)
- Magenta (25%)
- Yellow (47%)
- Black (10%)




- Cyan (10%)
- Magenta (33%)
- Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.5682, 0.4110, 0.3865 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 47.5682, 0.4110, 0.3865 by changing the saturation by 10% instead.





 47.5682, 0.4110,  
0.3865


 47.5682, 0.4110,  
0.3865


377.0780, 0.3622,  
0.3600

 33.4851, 0.4228,  
0.3922


 86.5611, 0.3935,  
0.3775

 22.4983, 0.4375,  
0.3988


 112.2398, 0.3869,  
0.3740

 14.2235, 0.4564,  
0.4066


 142.5523, 0.3812,  
0.3709

 8.2763, 0.4811,  
0.4151

177.8832, 0.3763,  
0.3682

 4.2722, 0.5158,  
0.4247

218.6168, 0.3721,  
0.3658

 1.8270, 0.5672,  
0.4328

265.1376, 0.3684,

 0.5039, 0.6257,

0.3636

0.3743

317.8298, 0.3651,  
0.3617

0.0000, 0.0000,  
0.0000

47.5682, 0.4110,  
0.3865

47.5682, 0.4110,  
0.3865

42.6349, 0.4390,  
0.3973

53.0663, 0.3851,  
0.3743

38.2386, 0.4682,  
0.4054

59.1420, 0.3619,  
0.3615

34.3588, 0.4970,  
0.4096

65.8160, 0.3414,  
0.3489

30.9705, 0.5235,  
0.4087

73.1059, 0.3234,  
0.3368

28.0444, 0.5457,  
0.4023

81.0283, 0.3079,  
0.3254

■ 27.1786, 0.5524,  
0.3995

■ 89.3127, 0.2969,  
0.3191

■ 95.4020, 0.2970,  
0.3290

# Harmonies

## Analogous

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



47.5682, 0.4117, 0.3474



47.5682, 0.4110, 0.3865



47.5682, 0.3826, 0.4151

# Triad

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



47.5682, 0.4110, 0.3865



47.5682, 0.2453, 0.3470



47.5682, 0.2828, 0.2527

# Complementary

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



47.5682, 0.4110, 0.3865



42.0406, 0.2385, 0.2618

# 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.



47.5682, 0.2431, 0.2481



47.5682, 0.4110, 0.3865



47.5682, 0.2229, 0.2975

# Square

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



47.5682, 0.4110, 0.3865



47.5682, 0.2863, 0.3952



47.5682, 0.2223, 0.2628



47.5682, 0.3340, 0.2740



# Rectangle

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



47.5682, 0.4110, 0.3865



47.5682, 0.3530, 0.4222



47.5682, 0.2223, 0.2628



47.5682, 0.2678, 0.2491

# Sweetspot

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



47.5705, 0.4110, 0.3865



86.3696, 0.3364, 0.3456



33.8351, 0.3706, 0.2644



18.0672, 0.3404, 0.3483



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.



47.5705, 0.4110, 0.3865



54.6422, 0.4378, 0.3969



72.1644, 0.3833, 0.4398



15.4726, 0.3281, 0.3400



15.7720, 0.5499, 0.4016



1.3500, 0.5260, 0.4206

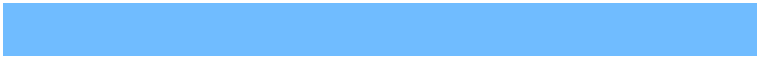


# Inverse Universe

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



42.0406, 0.2385, 0.2618



46.7643, 0.2242, 0.2449



24.6027, 0.2249, 0.1871



15.1523, 0.2981, 0.3177



11.4371, 0.1804, 0.1693



1.0308, 0.1873, 0.1944



# Previews

## White Background



This preview shows how the Yxy color 47.5682, 0.4110, 0.3865 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 47.5682, 0.4110, 0.3865 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

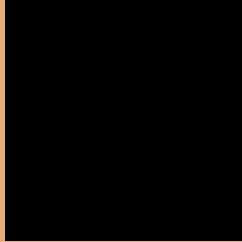
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 47.5682, 0.4110, 0.3865**

## Background



This preview shows how black text looks on a background with the Yxy color 47.5682, 0.4110, 0.3865.



This preview shows how white text looks on a background with the Yxy color 47.5682, 0.4110, 0.3865.

# 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

47.5682, 0.4110, 0.3865

### Protanopia

47.9554, 0.3727, 0.4014

### Deuteranopia

47.8033, 0.4021, 0.3940



## Tritanopia

47.5770, 0.3670, 0.3156

# Trichromacy



## Original Color

47.5682, 0.4110, 0.3865

## Protanomaly

47.8248, 0.3864, 0.3965

## Deuteranomaly

47.8877, 0.4055, 0.3921

## Tritanomaly

47.5954, 0.3833, 0.3418

# Monochromacy



## Original Color

47.5682, 0.4110, 0.3865

## Achromatopsia

47.3531, 0.3127, 0.3290

## Achromatomaly

47.0928, 0.3465, 0.3519

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.5682, 0.4110, 0.3865 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, 122)` looks like.

```
.text, #text, p{  
    color:rgb(229, 172, 122)  
}
```

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, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 172, 122) }
```

## Border

The CSS property to change the border of an element to Yxy 47.5682, 0.4110, 0.3865 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, 122) }
```

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

```
.border{ border-color:rgb(229, 172, 122) }
```

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, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 172, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 172, 122);  
box-shadow:4px 4px 4px 4px rgb(229, 172,  
122) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.5682, 0.4110, 0.3865 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, 122) }
```

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

```
.background{ background-color: rgb(229,  
172, 122) }
```

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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