

# Converting Colors

$Y_{xy}(44.2025, 0.4083, 0.3761)$

Have a look what the booklet for  
Yxy(44.2025, 0.4083, 0.3761)  
contains.

<b>Yxy(44.3985, 0.4084, 0.3761)</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(44.3985, 0.4084, 0.3761)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1A57D
RGB	225, 165, 125
RGB Percent	88%, 65%, 49%
CMY	0.1176, 0.3529, 0.5097
CMYK	0.00, 0.27, 0.44, 0.12
HSL	24°, 63%, 69%
HSV	24°, 44%, 88%
XYZ	48.2115, 44.3985, 25.4397
YIQ	178.3800, 48.6000, 0.2800

# Conversions

## Conversions Part 2

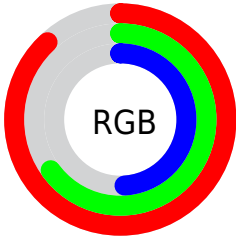
Format	Color
RYB	225, 192, 125
Decimal	14787965
CIELab	72.49, 17.32, 29.39
CIElCh	72, 34.115, 59.497
Yxy	44.3985, 0.4084, 0.3761
Android (android.graphics.Color)	4292978045 (0xFFE1A57D)
YUV	178.3800, -26.3163, 40.8857
Hunter-Lab	66.6322, 12.5467, 24.0060

# Details

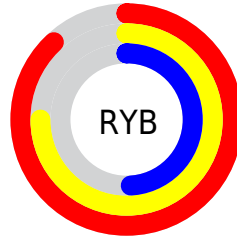
The Yxy color **44.3985, 0.4084, 0.3761** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **44.5120, 0.2438, 0.2753**, and the grayscale version is **44.8579, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6608, 0.3683, 0.3721**, and **20.5337, 0.4357, 0.3871** is the 20% darker color. If you saturate the color by 10%, you get **39.2717, 0.4382, 0.3856**, and if you desaturate by 10%, it is **50.1744, 0.3815, 0.3654**.

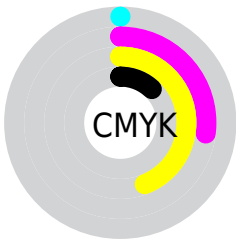
# Distribution



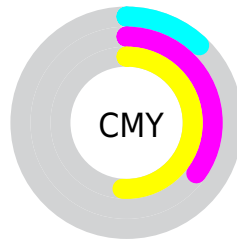
- Red (88%)
- Green (65%)
- Blue (49%)



- Red (88%)
- Yellow (75%)
- Blue (49%)



- Cyan (0%)
- Magenta (27%)
- Yellow (44%)
- Black (12%)



- Cyan (12%)
- Magenta (35%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.3985, 0.4084, 0.3761 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 44.3985, 0.4084, 0.3761 by changing the saturation by 10% instead.




 44.3985, 0.4084,  
0.3761

 44.3985, 0.4084,  
0.3761

364.3320, 0.3601,  
0.3544


 30.9839, 0.4204,  
0.3808


 81.8171, 0.3909,  
0.3687

 20.5866, 0.4356,  
0.3862


 106.5898, 0.3843,  
0.3658

 12.8222, 0.4554,  
0.3926

 135.9174, 0.3787,  
0.3633

 7.3062, 0.4820,  
0.3994

170.1843, 0.3739,  
0.3610

 3.6543, 0.5204,  
0.4065

209.7748, 0.3697,  
0.3591

 1.4821, 0.5854,  
0.4146

255.0733, 0.3661,

 0.2761, 0.7128,

0.3573

0.2872

306.4642, 0.3629,  
0.3558

0.0000, 0.0000,  
0.0000

44.3985, 0.4084,  
0.3761

44.3985, 0.4084,  
0.3761

39.2717, 0.4382,  
0.3856

50.1744, 0.3815,  
0.3654

34.7626, 0.4701,  
0.3930

56.6161, 0.3579,  
0.3544

30.8468, 0.5025,  
0.3967

63.7478, 0.3373,  
0.3436

27.4949, 0.5331,  
0.3957

71.5905, 0.3197,  
0.3333

24.6742, 0.5592,  
0.3893

80.1639, 0.3046,  
0.3237

■ 23.3142, 0.5719,  
0.3841

■ 89.1589, 0.2945,  
0.3199

■ 94.7489, 0.2946,  
0.3289

# Harmonies

## Analogous

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



44.3985, 0.4024, 0.3381



44.3985, 0.4084, 0.3761



44.3985, 0.3869, 0.4061

# Triad

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



44.3985, 0.4084, 0.3761



44.3985, 0.2563, 0.3571



44.3985, 0.2747, 0.2539

# Complementary

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



44.3985, 0.4084, 0.3761



44.5120, 0.2438, 0.2753

# 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.



44.3985, 0.2405, 0.2536



44.3985, 0.4084, 0.3761



44.3985, 0.2304, 0.3091

# Square

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



44.3985, 0.4084, 0.3761



44.3985, 0.2982, 0.3991



44.3985, 0.2250, 0.2722



44.3985, 0.3218, 0.2709



# Rectangle

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



44.3985, 0.4084, 0.3761



44.3985, 0.3611, 0.4161



44.3985, 0.2250, 0.2722



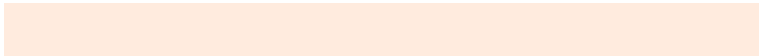
44.3985, 0.2614, 0.2518

# Sweetspot

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



44.4006, 0.4084, 0.3761



86.0017, 0.3348, 0.3422



34.2576, 0.3571, 0.2585



17.9341, 0.3390, 0.3446



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.



44.4006, 0.4084, 0.3761



52.8393, 0.4349, 0.3847



65.2521, 0.3837, 0.4270



14.5954, 0.3282, 0.3384



13.6478, 0.5691, 0.3863



1.1178, 0.5409, 0.4087

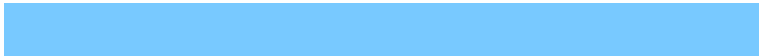


# Inverse Universe

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



44.5120, 0.2438, 0.2753



52.9603, 0.2310, 0.2622



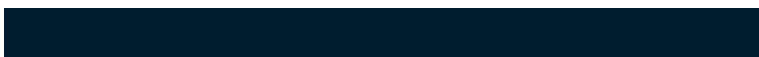
27.6028, 0.2319, 0.2068



14.6048, 0.2981, 0.3194



13.3595, 0.1869, 0.1929



1.0998, 0.1934, 0.2161



# Previews

## White Background



This preview shows how the Yxy color 44.3985, 0.4084, 0.3761 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 44.3985, 0.4084, 0.3761 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

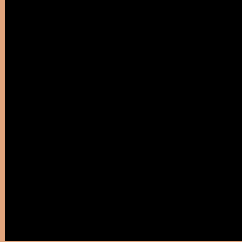
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.3985, 0.4084, 0.3761**

## Background



This preview shows how black text looks on a background with the Yxy color 44.3985, 0.4084, 0.3761.



This preview shows how white text looks on a background with the Yxy color 44.3985, 0.4084, 0.3761.

# 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

44.3985, 0.4084, 0.3761

### Protanopia

44.5558, 0.3642, 0.3910

### Deuteranopia

44.5781, 0.3936, 0.3869



## Tritanopia

44.3946, 0.3697, 0.3153

# Trichromacy



## Original Color

44.3985, 0.4084, 0.3761

## Protanomaly

44.1686, 0.3795, 0.3851

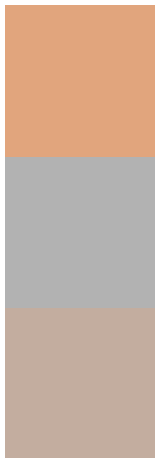
## Deuteranomaly

44.5829, 0.3995, 0.3835

## Tritanomaly

44.3168, 0.3850, 0.3374

# Monochromacy



## Original Color

44.3985, 0.4084, 0.3761

## Achromatopsia

44.5201, 0.3127, 0.3290

## Achromatomaly

43.9924, 0.3450, 0.3472

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.3985, 0.4084, 0.3761 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(225, 165, 125)` looks like.

```
.text, #text, p{  
    color:rgb(225, 165, 125)  
}
```

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(225, 165, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 165, 125) }
```

## Border

The CSS property to change the border of an element to Yxy 44.3985, 0.4084, 0.3761 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(225, 165, 125) }
```

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

```
.border{ border-color:rgb(225, 165, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 165, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 165, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 165, 125);  
box-shadow:4px 4px 4px 4px rgb(225, 165,  
125) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.3985, 0.4084, 0.3761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 165, 125) }
```

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

```
.background{ background-color: rgb(225,  
165, 125) }
```

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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