

# Converting Colors

$Y_{xy}(44.8256, 0.4150, 0.3745)$

Have a look what the booklet for  
Yxy(44.8256, 0.4150, 0.3745)  
contains.

<b>Yxy(44.8291, 0.4147, 0.3752)</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(44.8291, 0.4147, 0.3752)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6A47C
RGB	230, 164, 124
RGB Percent	90%, 64%, 49%
CMY	0.0980, 0.3569, 0.5138
CMYK	0.00, 0.29, 0.46, 0.10
HSL	23°, 68%, 69%
HSV	23°, 46%, 90%
XYZ	49.5486, 44.8291, 25.1029
YIQ	179.1740, 52.1760, 1.5520

# Conversions

## Conversions Part 2

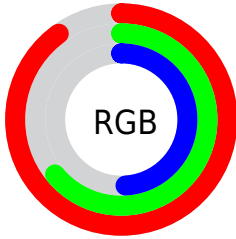
Format	Color
RYB	230, 188, 124
Decimal	15115388
CIELab	72.78, 19.74, 30.43
CIELCh	73, 36.273, 57.030
Yxy	44.8291, 0.4147, 0.3752
Android (android.graphics.Color)	4293305468 (0xFFE6A47C)
YUV	179.1740, -27.2008, 44.5744
Hunter-Lab	66.9545, 14.9255, 24.6389

# Details

The Yxy color **44.8291, 0.4147, 0.3752** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **46.8202, 0.2418, 0.2761**, and the grayscale version is **45.3045, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0974, 0.3693, 0.3722**, and **20.8670, 0.4429, 0.3839** is the 20% darker color. If you saturate the color by 10%, you get **39.4756, 0.4458, 0.3839**, and if you desaturate by 10%, it is **50.8998, 0.3867, 0.3652**.

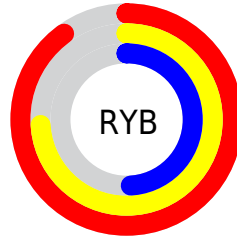
# Distribution



Red (90%)

Green (64%)

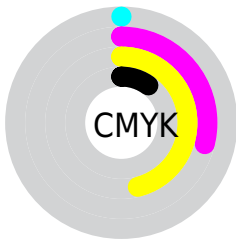
Blue (49%)



Red (90%)

Yellow (74%)

Blue (49%)

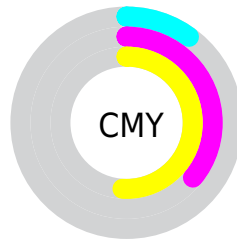


Cyan (0%)

Magenta (29%)

Yellow (46%)

Black (10%)



Cyan (10%)

Magenta (36%)


Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.8291, 0.4147, 0.3752 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 44.8291, 0.4147, 0.3752 by changing the saturation by 10% instead.





 44.8291, 0.4147,  
0.3752

 44.8291, 0.4147,  
0.3752


366.0810, 0.3633,  
0.3543


 31.3228, 0.4274,  
0.3795


 82.4639, 0.3961,  
0.3682

 20.8448, 0.4435,  
0.3845


 107.3612, 0.3890,  
0.3654

 13.0106, 0.4644,  
0.3901


 136.8244, 0.3831,  
0.3629

 7.4358, 0.4923,  
0.3957

171.2377, 0.3780,  
0.3608

 3.7361, 0.5327,  
0.4010

210.9856, 0.3736,  
0.3589

 1.5271, 0.5968,  
0.4032

256.4526, 0.3697,

 0.3077, 0.7156,

0.3572

0.2844

308.0229, 0.3663,  
0.3557

0.0000, 0.0000,  
0.0000

44.8291, 0.4147,  
0.3752

44.8291, 0.4147,  
0.3752

39.4756, 0.4458,  
0.3839

50.8998, 0.3867,  
0.3652

34.8041, 0.4790,  
0.3902

57.7078, 0.3620,  
0.3548

30.7859, 0.5124,  
0.3927

65.2808, 0.3407,  
0.3445

27.3871, 0.5435,  
0.3904

73.6427, 0.3225,  
0.3347

24.5693, 0.5694,  
0.3827

82.8164, 0.3069,  
0.3255

■ 23.6120, 0.5783,  
0.3790

■ 92.3655, 0.2975,  
0.3239

■ 95.5651, 0.2976,  
0.3290

# Harmonies

## Analogous

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



44.8291, 0.4060, 0.3349



44.8291, 0.4147, 0.3752



44.8291, 0.3939, 0.4084

# Triad

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



44.8291, 0.4147, 0.3752



44.8291, 0.2561, 0.3630



44.8291, 0.2688, 0.2492

# Complementary

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



44.8291, 0.4147, 0.3752



46.8202, 0.2418, 0.2761

# 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.



44.8291, 0.2344, 0.2503



44.8291, 0.4147, 0.3752



44.8291, 0.2273, 0.3116

# Square

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



44.8291, 0.4147, 0.3752



44.8291, 0.3012, 0.4064



44.8291, 0.2199, 0.2712



44.8291, 0.3178, 0.2658



# Rectangle

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



44.8291, 0.4147, 0.3752



44.8291, 0.3674, 0.4207



44.8291, 0.2199, 0.2712



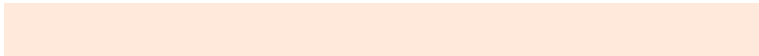
44.8291, 0.2553, 0.2475

# Sweetspot

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



44.8313, 0.4147, 0.3752



84.5408, 0.3368, 0.3425



35.0027, 0.3575, 0.2540



17.6235, 0.3410, 0.3447



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.



44.8313, 0.4147, 0.3752



50.3820, 0.4433, 0.3833



67.3274, 0.3873, 0.4289



15.2550, 0.3283, 0.3379



13.5832, 0.5755, 0.3812



1.1781, 0.5481, 0.4030



# Inverse Universe

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



46.8202, 0.2418, 0.2761



53.1184, 0.2291, 0.2633



28.2081, 0.2288, 0.2036



15.3744, 0.2981, 0.3199



14.6307, 0.1891, 0.2007



1.2586, 0.1949, 0.2215



# Previews

## White Background



This preview shows how the Yxy color 44.8291, 0.4147, 0.3752 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 44.8291, 0.4147, 0.3752 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

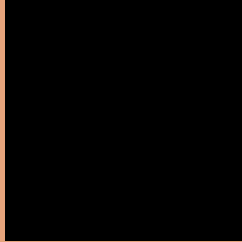
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.8291, 0.4147, 0.3752**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.8291, 0.4147, 0.3752.



This preview shows how white text looks on a background with the Yxy color 44.8291, 0.4147, 0.3752.

# 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

44.8291, 0.4147, 0.3752

### Protanopia

45.0584, 0.3657, 0.3933

### Deuteranopia

44.8520, 0.3965, 0.3877



## Tritanopia

44.8484, 0.3758, 0.3155

## Trichromacy



### Original Color

44.8291, 0.4147, 0.3752

### Protanomaly

44.9524, 0.3829, 0.3869

### Deuteranomaly

44.6510, 0.4038, 0.3829

### Tritanomaly

44.7652, 0.3912, 0.3373

## Monochromacy



### Original Color

44.8291, 0.4147, 0.3752

### Achromatopsia

45.0786, 0.3127, 0.3290

### Achromatomaly

44.7811, 0.3476, 0.3483

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.8291, 0.4147, 0.3752 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(230, 164, 124)` looks like.

```
.text, #text, p{  
    color:rgb(230, 164, 124)  
}
```

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(230, 164, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 164, 124) }
```

## Border

The CSS property to change the border of an element to Yxy 44.8291, 0.4147, 0.3752 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(230, 164, 124) }
```

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

```
.border{ border-color:rgb(230, 164, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 164, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 164, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 164, 124);  
box-shadow:4px 4px 4px 4px rgb(230, 164,  
124) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.8291, 0.4147, 0.3752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 164, 124) }
```

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

```
.background{ background-color: rgb(230,  
164, 124) }
```

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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