

# Converting Colors

$Y_{xy}(55.7066, 0.3742, 0.3767)$

Have a look what the booklet for  
Yxy(55.7066, 0.3742, 0.3767)  
contains.

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# Color

**Yxy(55.9088, 0.3743, 0.3777)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1C096
RGB	225, 192, 150
RGB Percent	88%, 75%, 59%
CMY	0.1176, 0.2470, 0.4119
CMYK	0.00, 0.15, 0.33, 0.12
HSL	34°, 56%, 74%
HSV	34°, 33%, 88%
XYZ	55.4055, 55.9088, 36.7100
YIQ	197.0790, 33.1500, -6.0660

# Conversions

## Conversions Part 2

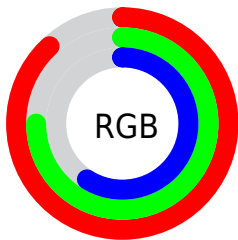
Format	Color
R <sub>Y</sub> B	209, 225, 150
Decimal	14794902
CIE Lab	79.56, 5.77, 25.56
CIE LCh	80, 26.206, 77.273
Yxy	55.9088, 0.3743, 0.3777
Android (android.graphics.Color)	4292984982 (0xFFE1C096)
YUV	197.0790, -23.2099, 24.4867
Hunter-Lab	74.7722, 1.4156, 23.2316

# Details

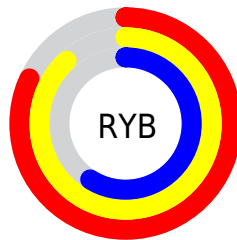
The Yxy color **55.9088, 0.3743, 0.3777** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **45.7713, 0.2585, 0.2746**, and the grayscale version is **56.0132, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7544, 0.3442, 0.3725**, and **27.8011, 0.3903, 0.3896** is the 20% darker color. If you saturate the color by 10%, you get **51.0542, 0.3972, 0.3925**, and if you desaturate by 10%, it is **61.1999, 0.3534, 0.3626**.

# Distribution



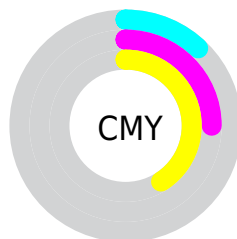
- Red (88%)
- Green (75%)
- Blue (59%)



- Red (82%)
- Yellow (88%)
- Blue (59%)



- Cyan (0%)
- Magenta (15%)
- Yellow (33%)
- Black (12%)




- Cyan (12%)
- Magenta (25%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.9088, 0.3743, 0.3777 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 55.9088, 0.3743, 0.3777 by changing the saturation by 10% instead.





 55.9088, 0.3743,  
0.3777


 55.9088, 0.3743,  
0.3777


409.3477, 0.3445,  
0.3547

 40.1298, 0.3814,  
0.3830


 98.8712, 0.3637,  
0.3697

 27.6398, 0.3903,  
0.3895


 126.8234, 0.3597,  
0.3666

 18.0543, 0.4016,  
0.3977


159.6022, 0.3562,  
0.3639

 10.9890, 0.4167,  
0.4082

197.5919, 0.3532,  
0.3616

 6.0594, 0.4373,  
0.4218

241.1769, 0.3506,  
0.3595

 2.8812, 0.4699,  
0.4425

290.7416, 0.3483,

 1.0701, 0.5256,

0.3577

0.4744

346.6704, 0.3463,  
0.3561

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

55.9088, 0.3743,  
0.3777

55.9088, 0.3743,  
0.3777

51.0542, 0.3972,  
0.3925

61.1999, 0.3534,  
0.3626

46.6147, 0.4215,  
0.4060

66.9328, 0.3346,  
0.3478

42.5782, 0.4466,  
0.4173

73.1221, 0.3179,  
0.3336

38.9288, 0.4712,  
0.4250

79.7796, 0.3031,  
0.3202

■ 35.6487, 0.4940,  
0.4280

■ 86.4259, 0.2944,  
0.3152

■ 32.7177, 0.5135,  
0.4256

■ 92.4601, 0.2946,  
0.3253

■ 30.9441, 0.5248,  
0.4215

■ 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.



55.9088, 0.3814, 0.3535



55.9088, 0.3743, 0.3777



55.9088, 0.3504, 0.3903

# Triad

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



55.9088, 0.3743, 0.3777



55.9088, 0.2592, 0.3292



55.9088, 0.3053, 0.2800

# Complementary

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



55.9088, 0.3743, 0.3777



45.7713, 0.2585, 0.2746

# 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.



55.9088, 0.2740, 0.2725



55.9088, 0.3743, 0.3777



55.9088, 0.2486, 0.2986

# Square

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



55.9088, 0.3743, 0.3777



55.9088, 0.2839, 0.3620



55.9088, 0.2538, 0.2786



55.9088, 0.3403, 0.2989



# Rectangle

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



55.9088, 0.3743, 0.3777



55.9088, 0.3287, 0.3891



55.9088, 0.2538, 0.2786



55.9088, 0.2940, 0.2761

# Sweetspot

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



55.9114, 0.3743, 0.3777



91.5174, 0.3289, 0.3430



41.2600, 0.3553, 0.2899



19.3440, 0.3313, 0.3451



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.



55.9114, 0.3743, 0.3777



69.7231, 0.3899, 0.3880



71.4682, 0.3600, 0.4128



14.9679, 0.3278, 0.3421



18.0666, 0.5227, 0.4232



1.4298, 0.5024, 0.4393



# Inverse Universe

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



45.7713, 0.2585, 0.2746



54.3157, 0.2468, 0.2611



34.0806, 0.2557, 0.2308



14.2303, 0.2981, 0.3155



8.4938, 0.1719, 0.1389

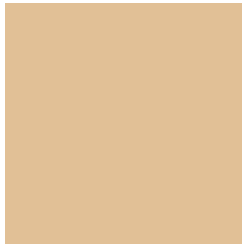


0.7648, 0.1802, 0.1688



# Previews

## White Background



This preview shows how the Yxy color 55.9088, 0.3743, 0.3777 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

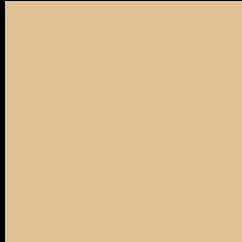
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.9088, 0.3743, 0.3777 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

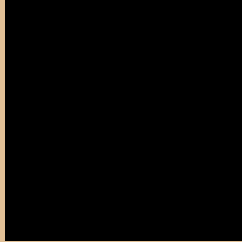
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 55.9088, 0.3743, 0.3777**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.9088, 0.3743, 0.3777.



This preview shows how white text looks on a background with the Yxy color 55.9088, 0.3743, 0.3777.

# 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

55.9088, 0.3743, 0.3777

### Protanopia

56.0484, 0.3588, 0.3831

### Deuteranopia

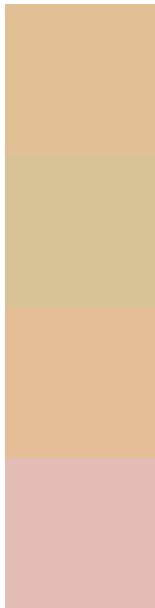
55.7854, 0.3807, 0.3722



## Tritanopia

55.6910, 0.3388, 0.3123

# Trichromacy



**Original Color**

55.9088, 0.3743, 0.3777

**Protanomaly**

55.8635, 0.3646, 0.3812

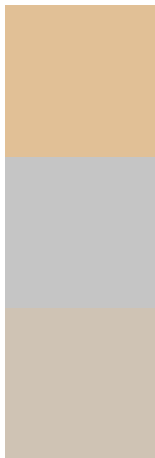
**Deuteranomaly**

55.7193, 0.3777, 0.3737

**Tritanomaly**

55.8378, 0.3515, 0.3359

# Monochromacy



**Original Color**

55.9088, 0.3743, 0.3777

**Achromatopsia**

55.8340, 0.3127, 0.3290

**Achromatomaly**

55.5909, 0.3339, 0.3471

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.9088, 0.3743, 0.3777 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, 192, 150)` looks like.

```
.text, #text, p{  
    color:rgb(225, 192, 150)  
}
```

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, 192, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 192, 150) }
```

## Border

The CSS property to change the border of an element to Yxy 55.9088, 0.3743, 0.3777 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, 192, 150) }
```

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

```
.border{ border-color:rgb(225, 192, 150) }
```

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

Here you see how a box with a 4 pixel rgb(225, 192, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 192, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 192, 150);  
box-shadow:4px 4px 4px 4px rgb(225, 192,  
150) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.9088, 0.3743, 0.3777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 192, 150) }
```

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

```
.background{ background-color: rgb(225,  
192, 150) }
```

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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