

# Converting Colors

$Yxy(55.7258, 0.3887, 0.3906)$

Have a look what the booklet for  
Yxy(55.7258, 0.3887, 0.3906)  
contains.

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# **Color**

**Yxy(55.7258, 0.3887, 0.3906)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E5BF89
RGB	229, 191, 137
RGB Percent	90%, 75%, 54%
CMY	0.1020, 0.2509, 0.4629
CMYK	0.00, 0.17, 0.40, 0.10
HSL	35°, 64%, 72%
HSV	35°, 40%, 90%
XYZ	55.4547, 55.7258, 31.4866
YIQ	196.2060, 39.9820, -8.7380

# Conversions

## Conversions Part 2

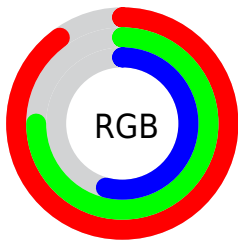
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	202, 229, 137
Decimal	15056777
CIE Lab	79.46, 6.35, 32.32
CIE LCh	79, 32.942, 78.892
Yxy	55.7258, 0.3887, 0.3906
Android (android.graphics.Color)	4293246857 (0xFFE5BF89)
YUV	196.2060, -29.1886, 28.7603
Hunter-Lab	74.6497, 1.9646, 27.2468

# Details

The Yxy color **55.7258, 0.3887, 0.3906** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **41.6097, 0.2464, 0.2577**, and the grayscale version is **55.4920, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5431, 0.3526, 0.3847**, and **27.6195, 0.4081, 0.4057** is the 20% darker color. If you saturate the color by 10%, you get **51.1495, 0.4119, 0.4053**, and if you desaturate by 10%, it is **60.7127, 0.3669, 0.3750**.

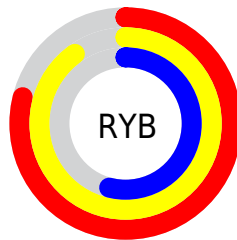
# Distribution



Red (90%)

Green (75%)

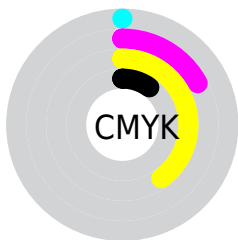
Blue (54%)



Red (79%)

Yellow (90%)

Blue (54%)

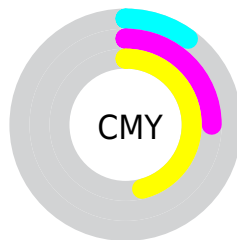


Cyan (0%)

Magenta (17%)

Yellow (40%)

Black (10%)



Cyan (10%)

Magenta (25%)

Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.7258, 0.3887, 0.3906 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 55.7258, 0.3887, 0.3906 by changing the saturation by 10% instead.




 55.7258, 0.3887,  
0.3906

 55.7258, 0.3887,  
0.3906


408.6573, 0.3521,  
0.3618


 39.9831, 0.3973,  
0.3971

 98.6036, 0.3758,  
0.3806

 27.5254, 0.4079,  
0.4050


 126.5074, 0.3708,  
0.3767

 17.9682, 0.4213,  
0.4146


 159.2338, 0.3666,  
0.3734

 10.9272, 0.4387,  
0.4266

197.1671, 0.3629,  
0.3705

 6.0179, 0.4614,  
0.4412

240.6917, 0.3597,  
0.3679

 2.8560, 0.5104,  
0.4753

290.1920, 0.3569,

 1.0570, 0.5294,

0.3656

0.4706

346.0524, 0.3544,  
0.3636

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

55.7258, 0.3887,  
0.3906

55.7258, 0.3887,  
0.3906

51.1495, 0.4119,  
0.4053

60.7127, 0.3669,  
0.3750

46.9622, 0.4359,  
0.4180


66.1154, 0.3470,  
0.3592

43.1514, 0.4596,  
0.4275

71.9486, 0.3290,  
0.3439


39.7005, 0.4818,  
0.4326

78.2241, 0.3130,  
0.3293

 36.5904, 0.5012,  
0.4325

 84.9527, 0.2988,  
0.3156

 33.8418, 0.5170,  
0.4277

 90.8348, 0.2969,  
0.3217

 95.3963, 0.2970,  
0.3290

# Harmonies

## Analogous

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



55.7258, 0.3994, 0.3603



55.7258, 0.3887, 0.3906



55.7258, 0.3573, 0.4068

# Triad

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



55.7258, 0.3887, 0.3906



55.7258, 0.2448, 0.3263



55.7258, 0.3053, 0.2695

# Complementary

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



55.7258, 0.3887, 0.3906



41.6097, 0.2464, 0.2577

# 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.



55.7258, 0.2660, 0.2592



55.7258, 0.3887, 0.3906



55.7258, 0.2331, 0.2884

# Square

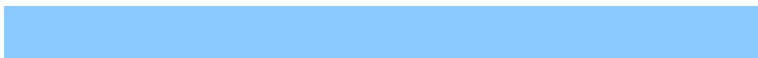
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



55.7258, 0.3887, 0.3906



55.7258, 0.2743, 0.3688



55.7258, 0.2405, 0.2651



55.7258, 0.3495, 0.2931



# Rectangle

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



55.7258, 0.3887, 0.3906



55.7258, 0.3297, 0.4050



55.7258, 0.2405, 0.2651



55.7258, 0.2911, 0.2644

# Sweetspot

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



55.7284, 0.3887, 0.3906



90.3893, 0.3322, 0.3467



37.6451, 0.3712, 0.2851



19.1338, 0.3345, 0.3487



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.



55.7284, 0.3887, 0.3906



66.3600, 0.4074, 0.4026



73.2605, 0.3669, 0.4304



15.7677, 0.3278, 0.3428



19.5938, 0.5150, 0.4293



1.6300, 0.4973, 0.4433

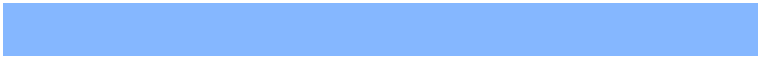


# Inverse Universe

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



41.6097, 0.2464, 0.2577



46.0877, 0.2326, 0.2402



29.5247, 0.2440, 0.2076



14.8593, 0.2981, 0.3148



8.0874, 0.1696, 0.1305

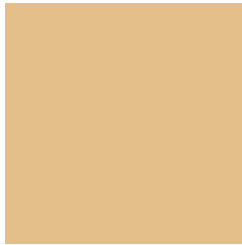


0.7771, 0.1776, 0.1592



# Previews

## White Background



This preview shows how the Yxy color 55.7258, 0.3887, 0.3906 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 55.7258, 0.3887, 0.3906 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

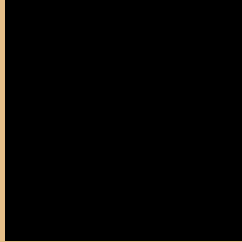
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 55.7258, 0.3887, 0.3906**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.7258, 0.3887, 0.3906.



This preview shows how white text looks on a background with the Yxy color 55.7258, 0.3887, 0.3906.

# 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

55.7258, 0.3887, 0.3906

### Protanopia

55.7936, 0.3697, 0.3984

### Deuteranopia

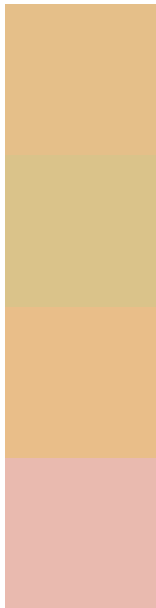
55.8635, 0.3949, 0.3872



## Tritanopia

55.5604, 0.3459, 0.3136

# Trichromacy



**Original Color**

55.7258, 0.3887, 0.3906

**Protanomaly**

55.7706, 0.3765, 0.3961

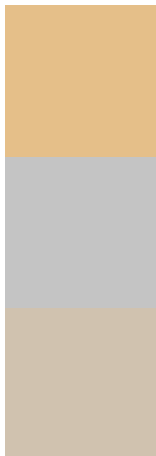
**Deuteranomaly**

55.9567, 0.3927, 0.3886

**Tritanomaly**

55.5366, 0.3622, 0.3415

# Monochromacy



**Original Color**

55.7258, 0.3887, 0.3906

**Achromatopsia**

55.2011, 0.3127, 0.3290

**Achromatomaly**

55.0886, 0.3389, 0.3519

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.7258, 0.3887, 0.3906 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, 191, 137)` looks like.

```
.text, #text, p{  
    color:rgb(229, 191, 137)  
}
```

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, 191, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 191, 137) }
```

## Border

The CSS property to change the border of an element to Yxy 55.7258, 0.3887, 0.3906 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, 191, 137) }
```

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

```
.border{ border-color:rgb(229, 191, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 191, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(229, 191, 137); -webkit-box-shadow:4px 4px 4px 4px rgb(229, 191, 137); box-shadow:4px 4px 4px 4px rgb(229, 191, 137) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.7258, 0.3887, 0.3906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 191, 137) }
```

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

```
.background{ background-color: rgb(229,  
191, 137) }
```

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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