

# Converting Colors

$Yxy(55.9998, 0.3920, 0.3923)$

Have a look what the booklet for  
Yxy(55.9998, 0.3920, 0.3923)  
contains.

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# Color

**Yxy(55.9998, 0.3920, 0.3923)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7BF87
RGB	231, 191, 135
RGB Percent	91%, 75%, 53%
CMY	0.0942, 0.2509, 0.4705
CMYK	0.00, 0.17, 0.42, 0.09
HSL	35°, 67%, 72%
HSV	35°, 42%, 91%
XYZ	55.9570, 55.9998, 30.7906
YIQ	196.5760, 41.8160, -8.9360

# Conversions

## Conversions Part 2

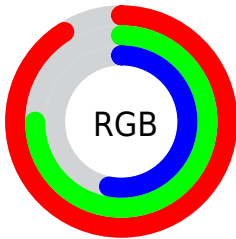
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	204, 231, 135
Decimal	15187847
CIE Lab	79.61, 6.93, 33.58
CIE LCh	80, 34.284, 78.336
Yxy	55.9998, 0.3920, 0.3923
Android (android.graphics.Color)	4293377927 (0xFFE7BF87)
YUV	196.5760, -30.3570, 30.1898
Hunter-Lab	74.8330, 2.5170, 27.9878

# Details

The Yxy color **55.9998, 0.3920, 0.3923** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **41.5828, 0.2441, 0.2553**, and the grayscale version is **55.7353, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.4557, 0.3538, 0.3867**, and **27.8157, 0.4125, 0.4077** is the 20% darker color. If you saturate the color by 10%, you get **51.3602, 0.4155, 0.4067**, and if you desaturate by 10%, it is **61.0616, 0.3699, 0.3769**.

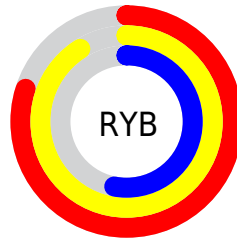
# Distribution



Red (91%)

Green (75%)

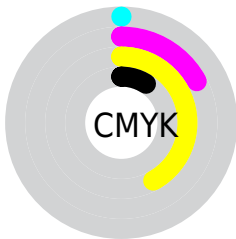
Blue (53%)



Red (80%)

Yellow (91%)

Blue (53%)

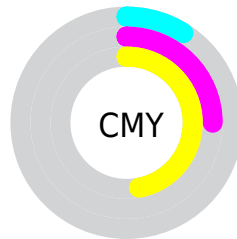


Cyan (0%)

Magenta (17%)

Yellow (42%)

Black (9%)



Cyan (9%)

Magenta (25%)


Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.9998, 0.3920, 0.3923 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 55.9998, 0.3920, 0.3923 by changing the saturation by 10% instead.



 55.9998, 0.3920,  
0.3923


 55.9998, 0.3920,  
0.3923


409.6907, 0.3539,  
0.3628


 40.2028, 0.4009,  
0.3989


 99.0043, 0.3786,  
0.3821

 27.6967, 0.4119,  
0.4068


 126.9805, 0.3734,  
0.3782

 18.0971, 0.4257,  
0.4165


 159.7853, 0.3690,  
0.3747

 11.0197, 0.4436,  
0.4284

197.8030, 0.3652,  
0.3717

 6.0801, 0.4667,  
0.4426

241.4180, 0.3618,  
0.3691

 2.8939, 0.5190,  
0.4783

291.0147, 0.3589,

 1.0766, 0.5329,

0.3668

0.4671

346.9774, 0.3562,  
0.3647

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

55.9998, 0.3920,  
0.3923

55.9998, 0.3920,  
0.3923

51.3602, 0.4155,  
0.4067

61.0616, 0.3699,  
0.3769

47.1204, 0.4397,  
0.4189


66.5513, 0.3496,  
0.3612

43.2673, 0.4635,  
0.4278


72.4840, 0.3314,  
0.3458


39.7836, 0.4855,  
0.4322

78.8720, 0.3151,  
0.3312

 36.6492, 0.5046,  
0.4313

 85.7266, 0.3006,  
0.3174

 34.2472, 0.5182,  
0.4268

 91.8010, 0.2981,  
0.3227

 95.7265, 0.2981,  
0.3290

# Harmonies

## Analogous

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



55.9998, 0.4028, 0.3606



55.9998, 0.3920, 0.3923



55.9998, 0.3596, 0.4097

# Triad

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



55.9998, 0.3920, 0.3923



55.9998, 0.2427, 0.3269



55.9998, 0.3041, 0.2670

# Complementary

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



55.9998, 0.3920, 0.3923



41.5828, 0.2441, 0.2553

# 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.



55.9998, 0.2636, 0.2566



55.9998, 0.3920, 0.3923



55.9998, 0.2302, 0.2873

# Square

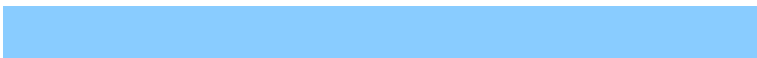
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



55.9998, 0.3920, 0.3923



55.9998, 0.2734, 0.3712



55.9998, 0.2376, 0.2630



55.9998, 0.3501, 0.2912



# Rectangle

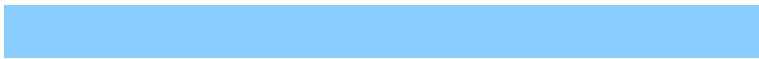
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55.9998, 0.3920, 0.3923



55.9998, 0.3311, 0.4083



55.9998, 0.2376, 0.2630



55.9998, 0.2895, 0.2619

# Sweetspot

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



56.0024, 0.3920, 0.3923



90.3181, 0.3323, 0.3466



37.4175, 0.3740, 0.2836



19.1170, 0.3346, 0.3486



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.



56.0024, 0.3920, 0.3923



64.9922, 0.4125, 0.4049



74.5801, 0.3686, 0.4338



15.7580, 0.3278, 0.3427



19.4527, 0.5162, 0.4284



1.6199, 0.4982, 0.4426



# Inverse Universe

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



41.5828, 0.2441, 0.2553



44.6622, 0.2293, 0.2364



28.9458, 0.2412, 0.2028



14.8687, 0.2981, 0.3149



8.1805, 0.1699, 0.1316



0.7844, 0.1779, 0.1603



# Previews

## White Background



This preview shows how the Yxy color 55.9998, 0.3920, 0.3923 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

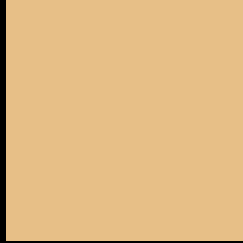
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.9998, 0.3920, 0.3923 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 55.9998, 0.3920, 0.3923**

## Background



This preview shows how black text looks on a background with the Yxy color 55.9998, 0.3920, 0.3923.



This preview shows how white text looks on a background with the Yxy color 55.9998, 0.3920, 0.3923.

# 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

55.9998, 0.3920, 0.3923

### Protanopia

55.9136, 0.3714, 0.3994

### Deuteranopia

55.9773, 0.3974, 0.3891



## Tritanopia

55.9027, 0.3476, 0.3137

# Trichromacy



## Original Color

55.9998, 0.3920, 0.3923

## Protanomaly

56.0520, 0.3791, 0.3968

## Deuteranomaly

56.0686, 0.3951, 0.3906

## Tritanomaly

55.8360, 0.3648, 0.3426

# Monochromacy



## Original Color

55.9998, 0.3920, 0.3923

## Achromatopsia

55.8340, 0.3127, 0.3290

## Achromatomaly

55.6415, 0.3403, 0.3543

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.9998, 0.3920, 0.3923 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(231, 191, 135)` looks like.

```
.text, #text, p{  
    color:rgb(231, 191, 135)  
}
```

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(231, 191, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 191, 135) }
```

## Border

The CSS property to change the border of an element to Yxy 55.9998, 0.3920, 0.3923 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(231, 191, 135) }
```

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

```
.border{ border-color:rgb(231, 191, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 191, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 191, 135); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 191, 135); box-shadow:4px 4px 4px 4px rgb(231, 191, 135) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.9998, 0.3920, 0.3923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 191, 135) }
```

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

```
.background{ background-color: rgb(231,  
191, 135) }
```

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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