

# Converting Colors

$Yxy(56.9087, 0.3943, 0.3888)$

Have a look what the booklet for  
Yxy(56.9087, 0.3943, 0.3888)  
contains.

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# Color

**Yxy(56.9006, 0.3948, 0.3891)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECBF89
RGB	236, 191, 137
RGB Percent	93%, 75%, 54%
CMY	0.0746, 0.2509, 0.4628
CMYK	0.00, 0.19, 0.42, 0.07
HSL	33°, 72%, 73%
HSV	33°, 42%, 93%
XYZ	57.7341, 56.9006, 31.6017
YIQ	198.2990, 44.1540, -7.2540

# Conversions

## Conversions Part 2

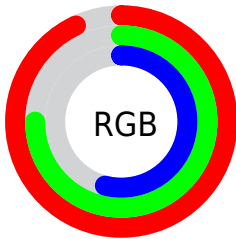
Format	Color
R <sub>Y</sub> B	220, 236, 137
Decimal	15515529
CIE Lab	80.12, 9.12, 33.31
CIE LCh	80, 34.539, 74.684
Yxy	56.9006, 0.3948, 0.3891
Android (android.graphics.Color)	4293705609 (0xFFECCBF89)
YUV	198.2990, -30.2204, 33.0638
Hunter-Lab	75.4325, 4.6126, 27.9638

# Details

The Yxy color  $56.9006, 0.3948, 0.3891$  is a light color, and the websafe version is hex `FFCC99`. A complement of this color would be  $44.8132, 0.2441, 0.2594$ , and the grayscale version is  $56.8310, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $91.5431, 0.3526, 0.3847$ , and  $28.3138, 0.4151, 0.4035$  is the 20% darker color. If you saturate the color by 10%, you get  $51.7919, 0.4195, 0.4026$ , and if you desaturate by 10%, it is  $62.5050, 0.3718, 0.3746$ .

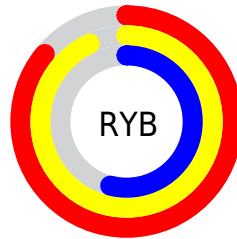
# Distribution



Red (93%)

Green (75%)

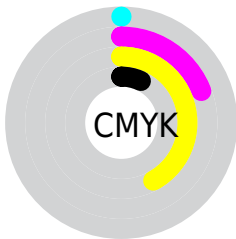
Blue (54%)



Red (86%)

Yellow (93%)

Blue (54%)

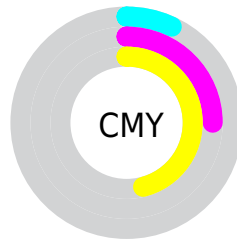


Cyan (0%)

Magenta (19%)

Yellow (42%)

Black (7%)



Cyan (7%)

Magenta (25%)

Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.9006, 0.3948, 0.3891 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 56.9006, 0.3948, 0.3891 by changing the saturation by 10% instead.




 56.9006, 0.3948,  
0.3891

 56.9006, 0.3948,  
0.3891

413.0767, 0.3554,  
0.3614

 40.9254, 0.4040,  
0.3952


 100.3201, 0.3809,  
0.3796

 28.2608, 0.4154,  
0.4025


 128.5333, 0.3756,  
0.3759

 18.5224, 0.4298,  
0.4114


 161.5946, 0.3710,  
0.3727

 11.3257, 0.4483,  
0.4221

199.8884, 0.3670,  
0.3698

 6.2863, 0.4726,  
0.4346

243.7991, 0.3635,  
0.3673

 3.0200, 0.5221,  
0.4631

293.7112, 0.3605,

 1.1422, 0.5456,

0.3651

0.4544

350.0089, 0.3578,  
0.3632

0.0137, 0.9451,  
0.0549

0.0000, 0.0000,  
0.0000

56.9006, 0.3948,  
0.3891

56.9006, 0.3948,  
0.3891

51.7919, 0.4195,  
0.4026

62.5050, 0.3718,  
0.3746

47.1540, 0.4452,  
0.4139


68.6131, 0.3509,  
0.3598


42.9709, 0.4707,  
0.4218


75.2426, 0.3322,  
0.3454

39.2224, 0.4945,  
0.4251

82.4076, 0.3157,  
0.3316

 35.8853, 0.5152,  
0.4230

 90.1219, 0.3012,  
0.3187

 33.4731, 0.5294,  
0.4179

 96.5706, 0.3011,  
0.3290

# Harmonies

## Analogous

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



56.9006, 0.4025, 0.3563



56.9006, 0.3948, 0.3891



56.9006, 0.3645, 0.4089

# Triad

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



56.9006, 0.3948, 0.3891



56.9006, 0.2454, 0.3323



56.9006, 0.2986, 0.2649

# Complementary

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



56.9006, 0.3948, 0.3891



44.8132, 0.2441, 0.2594

# 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.



56.9006, 0.2594, 0.2563



56.9006, 0.3948, 0.3891



56.9006, 0.2305, 0.2913

# Square

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



56.9006, 0.3948, 0.3891



56.9006, 0.2781, 0.3762



56.9006, 0.2355, 0.2649



56.9006, 0.3447, 0.2876



# Rectangle

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



56.9006, 0.3948, 0.3891



56.9006, 0.3365, 0.4097



56.9006, 0.2355, 0.2649



56.9006, 0.2843, 0.2603

# Sweetspot

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



56.9033, 0.3948, 0.3891



88.8109, 0.3342, 0.3469



39.1452, 0.3696, 0.2777



18.6258, 0.3382, 0.3501



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.



56.9033, 0.3948, 0.3891



62.7732, 0.4151, 0.4003



79.0599, 0.3728, 0.4334



16.4164, 0.3279, 0.3419



18.7157, 0.5271, 0.4196



1.6616, 0.5081, 0.4347



# Inverse Universe

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



44.8132, 0.2441, 0.2594



46.6454, 0.2305, 0.2426



29.5438, 0.2366, 0.2000



15.6761, 0.2980, 0.3158



9.4106, 0.1731, 0.1431

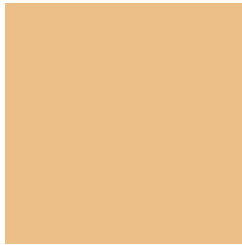


0.9290, 0.1804, 0.1695



# Previews

## White Background



This preview shows how the Yxy color 56.9006, 0.3948, 0.3891 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 56.9006, 0.3948, 0.3891 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

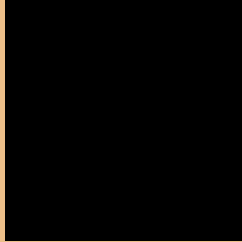
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 56.9006, 0.3948, 0.3891**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.9006, 0.3948, 0.3891.



This preview shows how white text looks on a background with the Yxy color 56.9006, 0.3948, 0.3891.

# 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

56.9006, 0.3948, 0.3891

### Protanopia

57.1874, 0.3708, 0.3988

### Deuteranopia

56.8102, 0.3970, 0.3876



## Tritanopia

56.7754, 0.3519, 0.3140

# Trichromacy



**Original Color**

56.9006, 0.3948, 0.3891

**Protanomaly**

57.0319, 0.3797, 0.3949

**Deuteranomaly**

56.6376, 0.3961, 0.3878

**Tritanomaly**

56.7382, 0.3683, 0.3413

# Monochromacy



**Original Color**

56.9006, 0.3948, 0.3891

**Achromatopsia**

56.4712, 0.3127, 0.3290

**Achromatomaly**

56.1619, 0.3413, 0.3517

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.9006, 0.3948, 0.3891 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(236, 191, 137)` looks like.

```
.text, #text, p{  
    color:rgb(236, 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(236, 191, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 191, 137) }
```

## Border

The CSS property to change the border of an element to Yxy 56.9006, 0.3948, 0.3891 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(236, 191, 137) }
```

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

```
.border{ border-color:rgb(236, 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(236, 191, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 191, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 191, 137);  
box-shadow:4px 4px 4px 4px rgb(236, 191,  
137) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.9006, 0.3948, 0.3891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 191, 137) }
```

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

```
.background{ background-color: rgb(236,  
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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