

# Converting Colors

Yxy(51.1012, 0.3943, 0.3884)

Have a look what the booklet for  
Yxy(51.1012, 0.3943, 0.3884)  
contains.

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# Color

**Yxy(51.1021, 0.3943, 0.3884)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E1B683
RGB	225, 182, 131
RGB Percent	88%, 71%, 51%
CMY	0.1176, 0.2863, 0.4864
CMYK	0.00, 0.19, 0.42, 0.12
HSL	33°, 61%, 70%
HSV	33°, 42%, 88%
XYZ	51.8784, 51.1021, 28.5903
YIQ	189.0430, 41.9990, -6.7450

# Conversions

## Conversions Part 2

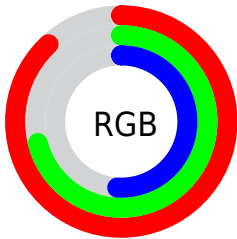
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	210, 225, 131
Decimal	14792323
CIE <sub>Lab</sub>	76.74, 8.87, 31.83
CIE <sub>LCh</sub>	77, 33.041, 74.419
Yxy	51.1021, 0.3943, 0.3884
Android (android.graphics.Color)	4292982403 (0xFFE1B683)
YUV	189.0430, -28.6152, 31.5343
Hunter-Lab	71.4857, 4.4403, 26.3273

# Details

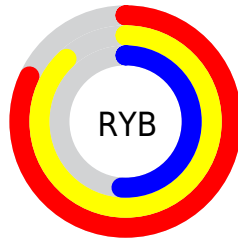
The Yxy color **51.1021, 0.3943, 0.3884** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **40.5265, 0.2446, 0.2603**, and the grayscale version is **51.0642, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8698, 0.3592, 0.3833**, and **24.6194, 0.4157, 0.4016** is the 20% darker color. If you saturate the color by 10%, you get **46.4974, 0.4190, 0.4018**, and if you desaturate by 10%, it is **56.1539, 0.3713, 0.3740**.

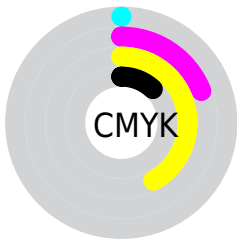
# Distribution



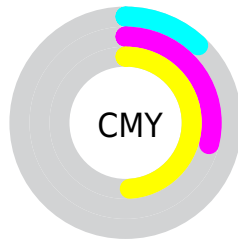
- Red (88%)
- Green (71%)
- Blue (51%)



- Red (82%)
- Yellow (88%)
- Blue (51%)



- Cyan (0%)
- Magenta (19%)
- Yellow (42%)
- Black (12%)




- Cyan (12%)
- Magenta (29%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.1021, 0.3943, 0.3884 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 51.1021, 0.3943, 0.3884 by changing the saturation by 10% instead.




 51.1021, 0.3943,  
0.3884


 51.1021, 0.3943,  
0.3884

390.9603, 0.3543,  
0.3605

 36.2899, 0.4038,  
0.3947


 91.8057, 0.3801,  
0.3787

 24.6582, 0.4157,  
0.4023


 118.4658, 0.3746,  
0.3750

 15.8226, 0.4309,  
0.4115

 149.8440, 0.3700,  
0.3717

 9.3987, 0.4508,  
0.4228

186.3247, 0.3660,  
0.3689

 5.0021, 0.4771,  
0.4359

228.2923, 0.3625,  
0.3664

 2.2485, 0.5330,  
0.4670

276.1312, 0.3595,

 0.7462, 0.5545,

0.3642

0.4455

330.2257, 0.3568,  
0.3622

0.0000, 0.0000,  
0.0000

51.1021, 0.3943,  
0.3884

51.1021, 0.3943,  
0.3884

46.4974, 0.4190,  
0.4018

56.1539, 0.3713,  
0.3740

42.3174, 0.4447,  
0.4131

61.6600, 0.3505,  
0.3593

38.5479, 0.4703,  
0.4211

67.6362, 0.3319,  
0.3450

35.1707, 0.4943,  
0.4245

74.0953, 0.3155,  
0.3314

32.1651, 0.5153,  
0.4225

81.0496, 0.3010,  
0.3186

■ 29.9534, 0.5299,  
0.4174

■ 87.7833, 0.2944,  
0.3176

■ 94.1427, 0.2946,  
0.3280

■ 94.7504, 0.2946,  
0.3289

# Harmonies

## Analogous

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



51.1021, 0.4017, 0.3558



51.1021, 0.3943, 0.3884



51.1021, 0.3645, 0.4081

# Triad

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



51.1021, 0.3943, 0.3884



51.1021, 0.2462, 0.3327



51.1021, 0.2984, 0.2652

# Complementary

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



51.1021, 0.3943, 0.3884



40.5265, 0.2446, 0.2603

# 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.



51.1021, 0.2596, 0.2569



51.1021, 0.3943, 0.3884



51.1021, 0.2312, 0.2920

# Square

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



51.1021, 0.3943, 0.3884



51.1021, 0.2787, 0.3762



51.1021, 0.2360, 0.2656



51.1021, 0.3440, 0.2877



# Rectangle

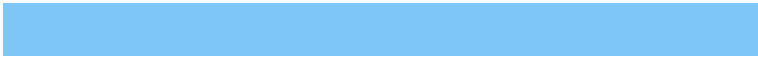
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.1021, 0.3943, 0.3884



51.1021, 0.3368, 0.4090



51.1021, 0.2360, 0.2656



51.1021, 0.2842, 0.2607

# Sweetspot

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



51.1045, 0.3943, 0.3884



88.7505, 0.3342, 0.3468



35.3242, 0.3691, 0.2780



18.6109, 0.3382, 0.3500



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.



51.1045, 0.3943, 0.3884



62.5941, 0.4153, 0.4000



71.0091, 0.3725, 0.4328



14.9267, 0.3278, 0.3417



17.4941, 0.5278, 0.4191



1.3911, 0.5065, 0.4360

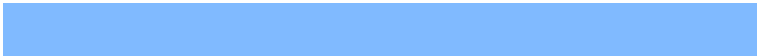


# Inverse Universe

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



40.5265, 0.2446, 0.2603



46.8113, 0.2306, 0.2432



26.7382, 0.2372, 0.2010



14.2710, 0.2981, 0.3159



8.9401, 0.1735, 0.1445

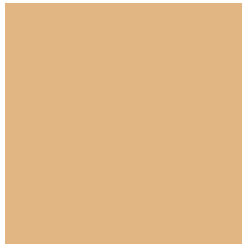


0.7971, 0.1816, 0.1738



# Previews

## White Background



This preview shows how the Yxy color 51.1021, 0.3943, 0.3884 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

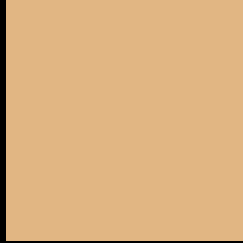
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.1021, 0.3943, 0.3884 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

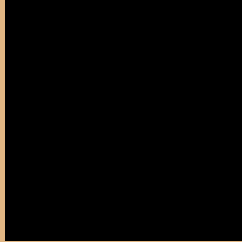
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 51.1021, 0.3943, 0.3884**

## Background



This preview shows how black text looks on a background with the Yxy color 51.1021, 0.3943, 0.3884.



This preview shows how white text looks on a background with the Yxy color 51.1021, 0.3943, 0.3884.

# 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

51.1021, 0.3943, 0.3884

### Protanopia

50.9538, 0.3696, 0.3973

### Deuteranopia

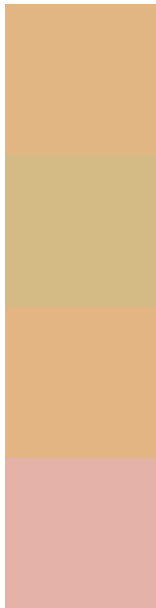
50.8552, 0.3957, 0.3871



## Tritanopia

51.2797, 0.3517, 0.3144

# Trichromacy



**Original Color**

51.1021, 0.3943, 0.3884

**Protanomaly**

50.8083, 0.3789, 0.3933

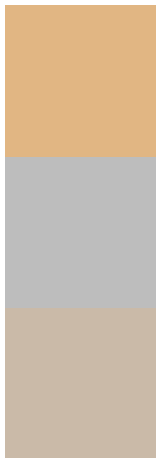
**Deuteranomaly**

50.8552, 0.3957, 0.3871

**Tritanomaly**

51.2888, 0.3679, 0.3418

# Monochromacy



**Original Color**

51.1021, 0.3943, 0.3884

**Achromatopsia**

50.8881, 0.3127, 0.3290

**Achromatomaly**

50.5015, 0.3409, 0.3514

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.1021, 0.3943, 0.3884 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, 182, 131)` looks like.

```
.text, #text, p{  
    color:rgb(225, 182, 131)  
}
```

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, 182, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 182, 131) }
```

## Border

The CSS property to change the border of an element to Yxy 51.1021, 0.3943, 0.3884 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, 182, 131) }
```

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

```
.border{ border-color:rgb(225, 182, 131) }
```

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

Here you see how a box with a 4 pixel rgb(225, 182, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 182, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 182, 131);  
box-shadow:4px 4px 4px 4px rgb(225, 182,  
131) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.1021, 0.3943, 0.3884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 182, 131) }
```

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

```
.background{ background-color: rgb(225,  
182, 131) }
```

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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