

# Converting Colors

Yxy(56.3096, 0.4015, 0.3936)

Have a look what the booklet for  
Yxy(56.3096, 0.4015, 0.3936)  
contains.

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# **Color**

**Yxy(56.0384, 0.4015, 0.3932)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDBD83
RGB	237, 189, 131
RGB Percent	93%, 74%, 51%
CMY	0.0705, 0.2588, 0.4864
CMYK	0.00, 0.20, 0.45, 0.07
HSL	33°, 75%, 72%
HSV	33°, 45%, 93%
XYZ	57.2213, 56.0384, 29.2591
YIQ	196.7400, 47.2260, -7.8620

# Conversions

## Conversions Part 2

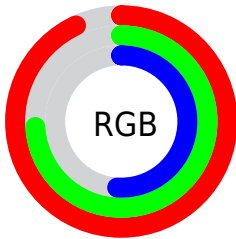
Format	Color
R <sub>Y</sub> B	219, 237, 131
Decimal	15580547
CIE Lab	79.64, 9.97, 35.83
CIE LCh	80, 37.189, 74.451
Yxy	56.0384, 0.4015, 0.3932
Android (android.graphics.Color)	4293770627 (0xFFEDBD83)
YUV	196.7400, -32.4098, 35.3080
Hunter-Lab	74.8588, 5.4407, 29.2272

# Details

The Yxy color **56.0384, 0.4015, 0.3932** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **43.1683, 0.2394, 0.2536**, and the grayscale version is **55.8480, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0676, 0.3568, 0.3888**, and **27.7861, 0.4229, 0.4069** is the 20% darker color. If you saturate the color by 10%, you get **51.0233, 0.4265, 0.4062**, and if you desaturate by 10%, it is **61.5474, 0.3780, 0.3788**.

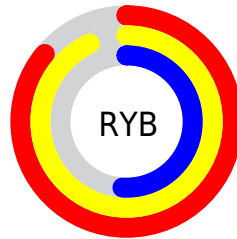
# Distribution



Red (93%)

Green (74%)

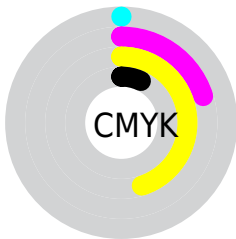
Blue (51%)



Red (86%)

Yellow (93%)

Blue (51%)

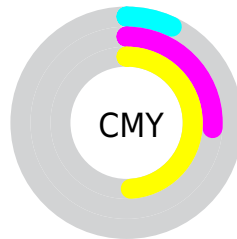


Cyan (0%)

Magenta (20%)

Yellow (45%)

Black (7%)



Cyan (7%)

Magenta (26%)


Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.0384, 0.4015, 0.3932 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 56.0384, 0.4015, 0.3932 by changing the saturation by 10% instead.




 56.0384, 0.4015,  
0.3932

 56.0384, 0.4015,  
0.3932


409.8362, 0.3588,  
0.3638


 40.2337, 0.4114,  
0.3996


 99.0607, 0.3865,  
0.3832

 27.7208, 0.4236,  
0.4072


 127.0471, 0.3807,  
0.3792

 18.1153, 0.4390,  
0.4163


 159.8629, 0.3758,  
0.3758

 11.0328, 0.4586,  
0.4270

197.8925, 0.3715,  
0.3728

 6.0889, 0.4839,  
0.4389

241.5202, 0.3677,  
0.3701

 2.8992, 0.5344,  
0.4656

291.1304, 0.3644,

 1.0793, 0.5519,

0.3678

0.4481

347.1077, 0.3615,  
0.3657

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

56.0384, 0.4015,  
0.3932

56.0384, 0.4015,  
0.3932

51.0233, 0.4265,  
0.4062

61.5474, 0.3780,  
0.3788

46.4766, 0.4522,  
0.4168


67.5585, 0.3565,  
0.3640


42.3820, 0.4774,  
0.4235


74.0899, 0.3372,  
0.3494

38.7181, 0.5004,  
0.4254


81.1561, 0.3201,  
0.3354

 35.4607, 0.5199,  
0.4218

 88.7709, 0.3050,  
0.3222

 33.8959, 0.5290,  
0.4182

 95.7213, 0.3018,  
0.3274

 96.7473, 0.3017,  
0.3290

# Harmonies

## Analogous

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



56.0384, 0.4099, 0.3576



56.0384, 0.4015, 0.3932



56.0384, 0.3687, 0.4154

# Triad

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



56.0384, 0.4015, 0.3932



56.0384, 0.2404, 0.3327



56.0384, 0.2970, 0.2600

# Complementary

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



56.0384, 0.4015, 0.3932



43.1683, 0.2394, 0.2536

# 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.



56.0384, 0.2550, 0.2509



56.0384, 0.4015, 0.3932



56.0384, 0.2244, 0.2883

# Square

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



56.0384, 0.4015, 0.3932



56.0384, 0.2755, 0.3807



56.0384, 0.2296, 0.2599



56.0384, 0.3468, 0.2842



# Rectangle

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



56.0384, 0.4015, 0.3932



56.0384, 0.3385, 0.4167



56.0384, 0.2296, 0.2599



56.0384, 0.2815, 0.2551

# Sweetspot

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



56.0411, 0.4015, 0.3932



88.8413, 0.3342, 0.3470



37.5435, 0.3751, 0.2744



18.6334, 0.3382, 0.3502



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.



56.0411, 0.4015, 0.3932



60.5406, 0.4252, 0.4056



79.6202, 0.3765, 0.4399



16.4204, 0.3279, 0.3419



18.7692, 0.5267, 0.4200



1.6657, 0.5078, 0.4350

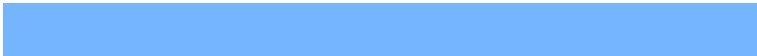


# Inverse Universe

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



43.1683, 0.2394, 0.2536



43.5206, 0.2241, 0.2340



27.4470, 0.2306, 0.1900



15.6721, 0.2980, 0.3158



9.3679, 0.1730, 0.1426



0.9255, 0.1803, 0.1691



# Previews

## White Background



This preview shows how the Yxy color 56.0384, 0.4015, 0.3932 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

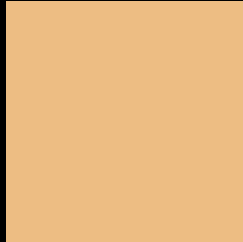
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.0384, 0.4015, 0.3932 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 56.0384, 0.4015, 0.3932**

## Background



This preview shows how black text looks on a background with the Yxy color 56.0384, 0.4015, 0.3932.



This preview shows how white text looks on a background with the Yxy color 56.0384, 0.4015, 0.3932.

# 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

56.0384, 0.4015, 0.3932

### Protanopia

56.4055, 0.3749, 0.4049

### Deuteranopia

56.0384, 0.4015, 0.3932



## Tritanopia

56.0426, 0.3548, 0.3140

# Trichromacy



**Original Color**

56.0384, 0.4015, 0.3932

**Protanomaly**

56.2533, 0.3839, 0.4008

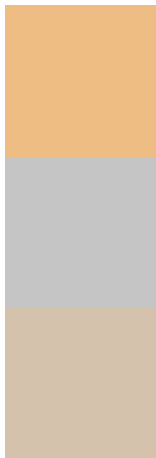
**Deuteranomaly**

56.0384, 0.4015, 0.3932

**Tritanomaly**

55.9603, 0.3724, 0.3424

# Monochromacy



**Original Color**

56.0384, 0.4015, 0.3932

**Achromatopsia**

55.8340, 0.3127, 0.3290

**Achromatomaly**

55.5978, 0.3438, 0.3541

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.0384, 0.4015, 0.3932 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(237, 189, 131)` looks like.

```
.text, #text, p{  
    color:rgb(237, 189, 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(237, 189, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 189, 131) }
```

## Border

The CSS property to change the border of an element to Yxy 56.0384, 0.4015, 0.3932 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(237, 189, 131) }
```

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

```
.border{ border-color:rgb(237, 189, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 189, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 189, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 189, 131);  
box-shadow:4px 4px 4px 4px rgb(237, 189,  
131) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.0384, 0.4015, 0.3932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 189, 131) }
```

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

```
.background{ background-color: rgb(237,  
189, 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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