

# Converting Colors

Yxy(55.6431, 0.3967, 0.4001)

Have a look what the booklet for  
Yxy(55.6431, 0.3967, 0.4001)  
contains.

<b>Yxy(55.6431, 0.3967, 0.4001)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(55.6431, 0.3967, 0.4001)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6BF80
RGB	230, 191, 128
RGB Percent	90%, 75%, 50%
CMY	0.0979, 0.2510, 0.4980
CMYK	0.00, 0.17, 0.44, 0.10
HSL	37°, 67%, 70%
HSV	37°, 44%, 90%
XYZ	55.1703, 55.6431, 28.2596
YIQ	195.4790, 43.4670, -11.3250

# Conversions

## Conversions Part 2

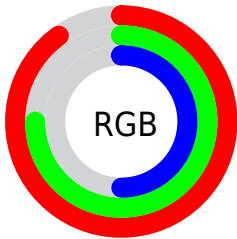
<b>Format</b>	<b>Color</b>
<b>RYB</b>	191, 230, 128
Decimal	15122304
CIELab	79.41, 5.83, 36.93
CIElCh	79, 37.384, 81.021
Yxy	55.6431, 0.3967, 0.4001
Android (android.graphics.Color)	4293312384 (0xFFE6BF80)
YUV	195.4790, -33.2671, 30.2749
Hunter-Lab	74.5943, 1.4793, 29.7543

# Details

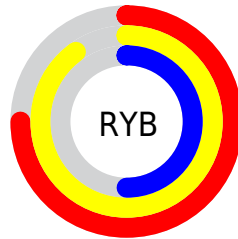
The Yxy color **55.6431, 0.3967, 0.4001** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **37.9672, 0.2385, 0.2445**, and the grayscale version is **55.0610, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1589, 0.3582, 0.3936**, and **27.6113, 0.4172, 0.4159** is the 20% darker color. If you saturate the color by 10%, you get **51.3816, 0.4194, 0.4147**, and if you desaturate by 10%, it is **60.2781, 0.3749, 0.3841**.

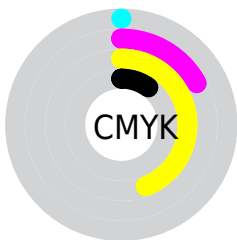
# Distribution



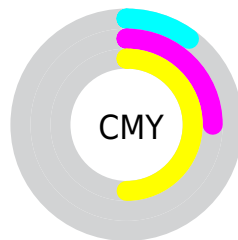
- Red (90%)
- Green (75%)
- Blue (50%)



- Red (75%)
- Yellow (90%)
- Blue (50%)



- Cyan (0%)
- Magenta (17%)
- Yellow (44%)
- Black (10%)




- Cyan (10%)
- Magenta (25%)
- Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.6431, 0.3967, 0.4001 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 55.6431, 0.3967, 0.4001 by changing the saturation by 10% instead.





 55.6431, 0.3967,  
0.4001


 55.6431, 0.3967,  
0.4001


408.3451, 0.3565,  
0.3670


 39.9168, 0.4060,  
0.4074


 98.4826, 0.3826,  
0.3887

 27.4737, 0.4174,  
0.4163


 126.3646, 0.3772,  
0.3843

 17.9293, 0.4316,  
0.4270


 159.0673, 0.3725,  
0.3804

 10.8993, 0.4495,  
0.4399


196.9750, 0.3684,  
0.3770

 5.9991, 0.4721,  
0.4548

240.4723, 0.3649,  
0.3741

 2.8445, 0.5154,  
0.4846

289.9435, 0.3618,

 1.0511, 0.5262,

0.3714

0.4738

345.7730, 0.3590,  
0.3691

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

55.6431, 0.3967,  
0.4001

55.6431, 0.3967,  
0.4001

51.3816, 0.4194,  
0.4147

60.2781, 0.3749,  
0.3841

47.4722, 0.4423,  
0.4269


65.2910, 0.3546,  
0.3676


43.9029, 0.4641,  
0.4353


70.6963, 0.3361,  
0.3513

40.6572, 0.4838,  
0.4389


76.5048, 0.3194,  
0.3356

 37.7157, 0.5003,  
0.4373

 82.7270, 0.3045,  
0.3207

 36.1731, 0.5084,  
0.4346

 88.6413, 0.2975,  
0.3177

 94.0620, 0.2976,  
0.3266

 95.5694, 0.2976,  
0.3290

# Harmonies

## Analogous

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



55.6431, 0.4113, 0.3662



55.6431, 0.3967, 0.4001



55.6431, 0.3596, 0.4179

# Triad

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



55.6431, 0.3967, 0.4001



55.6431, 0.2345, 0.3220



55.6431, 0.3076, 0.2637

# Complementary

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



55.6431, 0.3967, 0.4001



37.9672, 0.2385, 0.2445

# 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.



55.6431, 0.2626, 0.2509



55.6431, 0.3967, 0.4001



55.6431, 0.2231, 0.2801

# Square

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



55.6431, 0.3967, 0.4001



55.6431, 0.2661, 0.3712



55.6431, 0.2329, 0.2558



55.6431, 0.3577, 0.2908



# Rectangle

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



55.6431, 0.3967, 0.4001



55.6431, 0.3280, 0.4150



55.6431, 0.2329, 0.2558



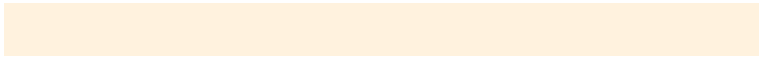
55.6431, 0.2914, 0.2576

# Sweetspot

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



55.6457, 0.3967, 0.4001



90.2160, 0.3339, 0.3492



35.0668, 0.3840, 0.2844



18.9731, 0.3378, 0.3528



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.



55.6457, 0.3967, 0.4001



65.4529, 0.4170, 0.4133



73.1005, 0.3694, 0.4415



15.8420, 0.3277, 0.3435



20.7150, 0.5066, 0.4360



1.7090, 0.4905, 0.4488



# Inverse Universe

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



37.9672, 0.2385, 0.2445



40.5470, 0.2231, 0.2237



26.7266, 0.2380, 0.1939



14.7869, 0.2981, 0.3141



7.4075, 0.1672, 0.1217



0.7226, 0.1753, 0.1509



# Previews

## White Background



This preview shows how the Yxy color 55.6431, 0.3967, 0.4001 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

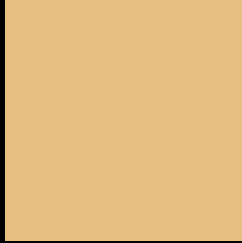
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.6431, 0.3967, 0.4001 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

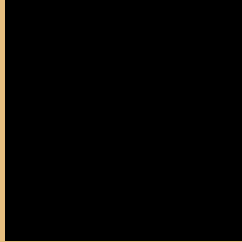
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 55.6431, 0.3967, 0.4001**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.6431, 0.3967, 0.4001.



This preview shows how white text looks on a background with the Yxy color 55.6431, 0.3967, 0.4001.

# 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

55.6431, 0.3967, 0.4001

### Protanopia

55.8404, 0.3783, 0.4084

### Deuteranopia

55.5559, 0.4036, 0.3942



## Tritanopia

55.4459, 0.3486, 0.3137

# Trichromacy



**Original Color**

55.6431, 0.3967, 0.4001

**Protanomaly**

55.8308, 0.3852, 0.4058

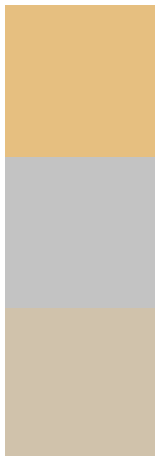
**Deuteranomaly**

55.4726, 0.4004, 0.3960

**Tritanomaly**

55.1306, 0.3668, 0.3449

# Monochromacy



**Original Color**

55.6431, 0.3967, 0.4001

**Achromatopsia**

54.5724, 0.3127, 0.3290

**Achromatomaly**

54.9337, 0.3420, 0.3568

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.6431, 0.3967, 0.4001 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(230, 191, 128)` looks like.

```
.text, #text, p{  
    color:rgb(230, 191, 128)  
}
```

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(230, 191, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 191, 128) }
```

## Border

The CSS property to change the border of an element to Yxy 55.6431, 0.3967, 0.4001 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(230, 191, 128) }
```

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

```
.border{ border-color:rgb(230, 191, 128) }
```

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

Here you see how a box with a 4 pixel rgb(230, 191, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 191, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 191, 128);  
box-shadow:4px 4px 4px 4px rgb(230, 191,  
128) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.6431, 0.3967, 0.4001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 191, 128) }
```

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

```
.background{ background-color: rgb(230,  
191, 128) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor