

# Converting Colors

$Yxy(55.6330, 0.4083, 0.4250)$

Have a look what the booklet for  
Yxy(55.6330, 0.4083, 0.4250)  
contains.

<b>Yxy(55.5324, 0.4084, 0.4247)</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(55.5324, 0.4084, 0.4247)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3C16B
RGB	227, 193, 107
RGB Percent	89%, 76%, 42%
CMY	0.1099, 0.2431, 0.5803
CMYK	0.00, 0.15, 0.53, 0.11
HSL	43°, 68%, 65%
HSV	43°, 53%, 89%
XYZ	53.4011, 55.5324, 21.8233
YIQ	193.3620, 47.8700, -19.5380

# Conversions

## Conversions Part 2

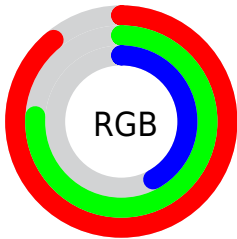
<b>Format</b>	<b>Color</b>
<b>RYB</b>	154, 227, 107
Decimal	14926187
CIELab	79.35, 1.60, 47.35
CIELCh	79, 47.374, 88.064
Yxy	55.5324, 0.4084, 0.4247
Android (android.graphics.Color)	4293116267 (0xFFE3C16B)
YUV	193.3620, -42.5765, 29.5005
Hunter-Lab	74.5201, -2.4970, 34.8009

# Details

The Yxy color **55.5324, 0.4084, 0.4247** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **27.7275, 0.2204, 0.2075**, and the grayscale version is **53.7897, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5494, 0.3709, 0.4168**, and **27.4767, 0.4296, 0.4462** is the 20% darker color. If you saturate the color by 10%, you get **52.3365, 0.4277, 0.4391**, and if you desaturate by 10%, it is **58.9826, 0.3886, 0.4078**.

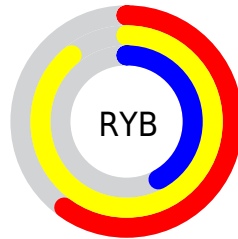
# Distribution



Red (89%)

Green (76%)

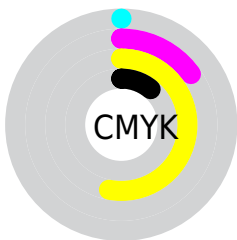
Blue (42%)



Red (60%)

Yellow (89%)

Blue (42%)

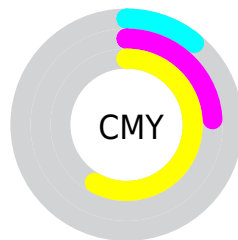


Cyan (0%)

Magenta (15%)

Yellow (53%)

Black (11%)



Cyan (11%)

Magenta (24%)


Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.5324, 0.4084, 0.4247 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 55.5324, 0.4084, 0.4247 by changing the saturation by 10% instead.





 55.5324, 0.4084,  
0.4247


 55.5324, 0.4084,  
0.4247

407.9269, 0.3637,  
0.3803

 39.8281, 0.4182,  
0.4343


 98.3206, 0.3931,  
0.4096

 27.4046, 0.4298,  
0.4456


 126.1733, 0.3871,  
0.4036

 17.8773, 0.4437,  
0.4589


 158.8442, 0.3818,  
0.3984

 10.8619, 0.4598,  
0.4742

 196.7179, 0.3773,  
0.3939

 5.9741, 0.4841,  
0.4970

240.1786, 0.3733,  
0.3899

 2.8293, 0.4951,  
0.5049

289.6107, 0.3697,

 1.0433, 0.4982,

0.3864

0.5018

345.3987, 0.3665,  
0.3832

0.0000, 0.0000,  
0.0000

55.5324, 0.4084,  
0.4247

55.5324, 0.4084,  
0.4247

52.3365, 0.4277,  
0.4391

58.9826, 0.3886,  
0.4078

49.3754, 0.4455,  
0.4500

62.6896, 0.3691,  
0.3895

46.6386, 0.4611,  
0.4564

66.6657, 0.3505,  
0.3706

44.1105, 0.4737,  
0.4578

70.9199, 0.3330,  
0.3520

42.4129, 0.4810,  
0.4563

75.4605, 0.3170,  
0.3340

■ 80.2956, 0.3024,  
0.3169

■ 84.7088, 0.2955,  
0.3117

■ 88.5205, 0.2956,  
0.3183

■ 92.4673, 0.2957,  
0.3248

# Harmonies

## Analogous

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



55.5324, 0.4358, 0.3839



55.5324, 0.4084, 0.4247



55.5324, 0.3565, 0.4433

# Triad

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



55.5324, 0.4084, 0.4247



55.5324, 0.2098, 0.3046



55.5324, 0.3205, 0.2548

# Complementary

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



55.5324, 0.4084, 0.4247



27.7275, 0.2204, 0.2075

# 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.



55.5324, 0.2613, 0.2346



55.5324, 0.4084, 0.4247



55.5324, 0.2025, 0.2573

# Square

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



55.5324, 0.4084, 0.4247



55.5324, 0.2424, 0.3682



55.5324, 0.2202, 0.2344



55.5324, 0.3833, 0.2908



# Rectangle

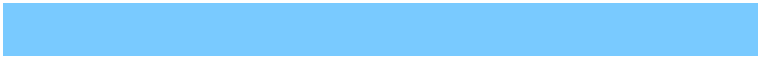
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55.5324, 0.4084, 0.4247



55.5324, 0.3159, 0.4349



55.5324, 0.2202, 0.2344



55.5324, 0.2994, 0.2461

# Sweetspot

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



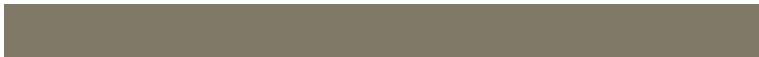
55.5350, 0.4084, 0.4247



90.4916, 0.3386, 0.3580



28.7755, 0.4213, 0.2904



19.1222, 0.3422, 0.3618



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.



55.5350, 0.4084, 0.4247



67.9173, 0.4287, 0.4399



68.4112, 0.3690, 0.4657



16.0909, 0.3275, 0.3458



24.9458, 0.4799, 0.4572



1.9993, 0.4690, 0.4658



# Inverse Universe

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



27.7275, 0.2204, 0.2075



28.3329, 0.2019, 0.1784



21.0568, 0.2303, 0.1684



14.5486, 0.2981, 0.3117



5.5642, 0.1601, 0.0963



0.5652, 0.1680, 0.1249



# Previews

## White Background



This preview shows how the Yxy color 55.5324, 0.4084, 0.4247 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

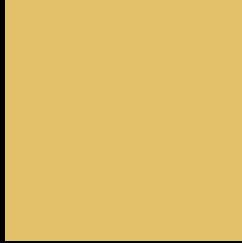
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.5324, 0.4084, 0.4247 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 55.5324, 0.4084, 0.4247**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.5324, 0.4084, 0.4247.



This preview shows how white text looks on a background with the Yxy color 55.5324, 0.4084, 0.4247.

# 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

55.5324, 0.4084, 0.4247

### Protanopia

55.6141, 0.3958, 0.4317

### Deuteranopia

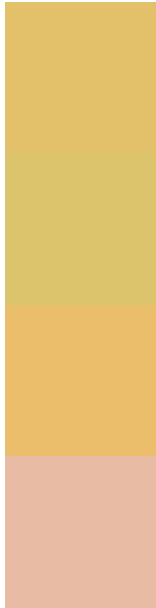
55.5744, 0.4222, 0.4143



## Tritanopia

55.5604, 0.3459, 0.3136

# Trichromacy



## Original Color

55.5324, 0.4084, 0.4247

## Protanomaly

55.7782, 0.3998, 0.4292

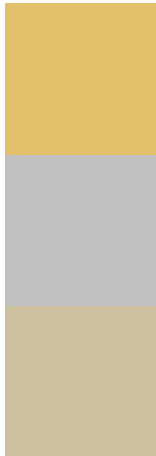
## Deuteranomaly

55.5718, 0.4166, 0.4180

## Tritanomaly

55.3768, 0.3704, 0.3552

# Monochromacy



## Original Color

55.5324, 0.4084, 0.4247

## Achromatopsia

53.3276, 0.3127, 0.3290

## Achromatomaly

53.7277, 0.3468, 0.3671

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.5324, 0.4084, 0.4247 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(227, 193, 107)` looks like.

```
.text, #text, p{  
    color:rgb(227, 193, 107)  
}
```

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(227, 193, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 193, 107) }
```

## Border

The CSS property to change the border of an element to Yxy 55.5324, 0.4084, 0.4247 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(227, 193, 107) }
```

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

```
.border{ border-color:rgb(227, 193, 107) }
```

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

Here you see how a box with a 4 pixel rgb(227, 193, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 193, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 193, 107);  
box-shadow:4px 4px 4px 4px rgb(227, 193,  
107) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.5324, 0.4084, 0.4247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 193, 107) }
```

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

```
.background{ background-color: rgb(227,  
193, 107) }
```

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