

# Converting Colors

$Yxy(61.7644, 0.3812, 0.3973)$

Have a look what the booklet for  
Yxy(61.7644, 0.3812, 0.3973)  
contains.

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# Color

**Yxy(61.6538, 0.3814, 0.3972)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | E7CB8E                      |
| RGB         | 231, 203, 142               |
| RGB Percent | 91%, 80%, 56%               |
| CMY         | 0.0940, 0.2039, 0.4432      |
| CMYK        | 0.00, 0.12, 0.39, 0.09      |
| HSL         | 41°, 65%, 73%               |
| HSV         | 41°, 39%, 91%               |
| XYZ         | 59.2013, 61.6538, 34.3659   |
| YIQ         | 204.4180, 36.2690, -13.0350 |

# Conversions

## Conversions Part 2

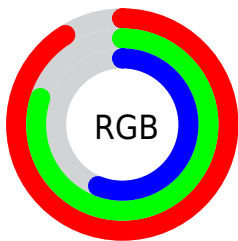
| Format                              | Color                          |
|-------------------------------------|--------------------------------|
| R <sub>Y</sub> B                    | 183, 231, 142                  |
| Decimal                             | 15190926                       |
| CIE Lab                             | 82.73, 1.45, 34.05             |
| CIE LCh                             | 83, 34.082, 87.561             |
| Yxy                                 | 61.6538, 0.3814,<br>0.3972     |
| Android<br>(android.graphics.Color) | 4293381006<br>(0xFFE7CB8E)     |
| YUV                                 | 204.4180, -30.7721,<br>23.3124 |
| Hunter-Lab                          | 78.5199, -2.8271,<br>29.0144   |

# Details

The Yxy color **61.6538, 0.3814, 0.3972** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **40.2823, 0.2474, 0.2494**, and the grayscale version is **60.8464, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7655, 0.3478, 0.3870**, and **31.2489, 0.3976, 0.4129** is the 20% darker color. If you saturate the color by 10%, you get **57.6770, 0.4019, 0.4142**, and if you desaturate by 10%, it is **65.9414, 0.3616, 0.3792**.

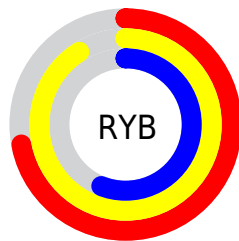
# Distribution



Red (91%)

Green (80%)

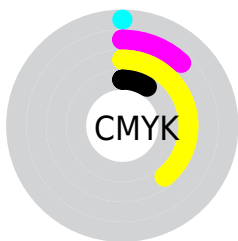
Blue (56%)



Red (72%)

Yellow (91%)

Blue (56%)

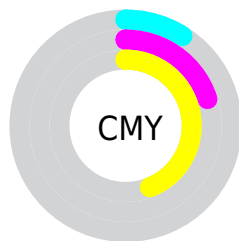


Cyan (0%)

Magenta (12%)

Yellow (39%)

Black (9%)



Cyan (9%)

Magenta (20%)


Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.6538, 0.3814, 0.3972 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 61.6538, 0.3814, 0.3972 by changing the saturation by 10% instead.




 61.6538, 0.3814,  
0.3972


 61.6538, 0.3814,  
0.3972


430.6671, 0.3491,  
0.3654

 44.7530, 0.3887,  
0.4044


 107.2250, 0.3702,  
0.3862

 31.2629, 0.3977,  
0.4131


 136.6642, 0.3658,  
0.3819

 20.7991, 0.4089,  
0.4240


171.0517, 0.3621,  
0.3782

 12.9773, 0.4231,  
0.4376

210.7719, 0.3588,  
0.3749

 7.4129, 0.4412,  
0.4547

256.2091, 0.3559,  
0.3721

 3.7216, 0.4708,  
0.4826

307.7478, 0.3534,

 1.5191, 0.4960,

0.3696

0.5040

365.7724, 0.3511,  
0.3674

0.3021, 0.5164,  
0.4836

0.0000, 0.0000,  
0.0000

61.6538, 0.3814,  
0.3972

61.6538, 0.3814,  
0.3972

57.6770, 0.4019,  
0.4142

65.9414, 0.3616,  
0.3792

53.9914, 0.4226,  
0.4293

70.5415, 0.3431,  
0.3611

50.5875, 0.4424,  
0.4413

75.4668, 0.3260,  
0.3435

47.4518, 0.4604,  
0.4491

80.7262, 0.3106,  
0.3266

■ 44.5686, 0.4757,  
0.4520

■ 86.1661, 0.2981,  
0.3132

■ 41.9158, 0.4878,  
0.4500

■ 90.5212, 0.2981,  
0.3206

■ 41.5444, 0.4895,  
0.4495

■ 95.0499, 0.2982,  
0.3279

■ 95.7350, 0.2982,  
0.3290

# Harmonies

## Analogous

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



61.6538, 0.3989, 0.3699



61.6538, 0.3814, 0.3972



61.6538, 0.3458, 0.4074

# Triad

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



61.6538, 0.3814, 0.3972



61.6538, 0.2395, 0.3142



61.6538, 0.3181, 0.2751

# Complementary

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



61.6538, 0.3814, 0.3972



40.2823, 0.2474, 0.2494

# 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.



61.6538, 0.2762, 0.2606



61.6538, 0.3814, 0.3972



61.6538, 0.2332, 0.2799

# Square

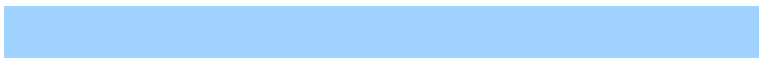
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



61.6538, 0.3814, 0.3972



61.6538, 0.2642, 0.3570



61.6538, 0.2461, 0.2616



61.6538, 0.3613, 0.3017



# Rectangle

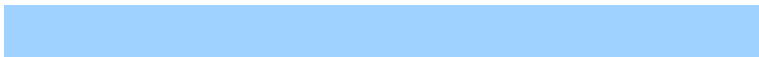
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



61.6538, 0.3814, 0.3972



61.6538, 0.3172, 0.4006



61.6538, 0.2461, 0.2616



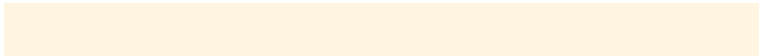
61.6538, 0.3034, 0.2687

# Sweetspot

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



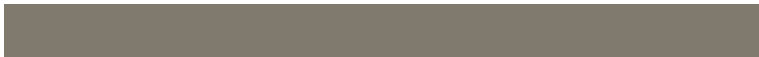
61.6567, 0.3814, 0.3972



92.1886, 0.3319, 0.3496



39.2469, 0.3775, 0.2968



19.5580, 0.3341, 0.3519



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.



61.6567, 0.3814, 0.3972



73.2607, 0.3972, 0.4104



73.5281, 0.3581, 0.4288



16.0114, 0.3275, 0.3450



23.5142, 0.4881, 0.4506



1.9023, 0.4756, 0.4606



# Inverse Universe

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



40.2823, 0.2474, 0.2494



43.1174, 0.2333, 0.2300



32.4151, 0.2542, 0.2153



14.6241, 0.2981, 0.3124



6.0834, 0.1622, 0.1037



0.6114, 0.1702, 0.1328



# Previews

## White Background



This preview shows how the Yxy color 61.6538, 0.3814, 0.3972 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

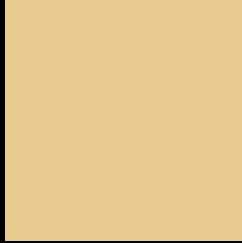
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.6538, 0.3814, 0.3972 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

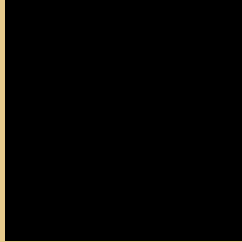
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 61.6538, 0.3814, 0.3972**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.6538, 0.3814, 0.3972.



This preview shows how white text looks on a background with the Yxy color 61.6538, 0.3814, 0.3972.

# 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

61.6538, 0.3814, 0.3972

### Protanopia

61.8138, 0.3727, 0.4010

### Deuteranopia

61.5085, 0.3958, 0.3869



## Tritanopia

61.3642, 0.3369, 0.3129

# Trichromacy



## Original Color

61.6538, 0.3814, 0.3972

## Protanomaly

61.8146, 0.3756, 0.3993

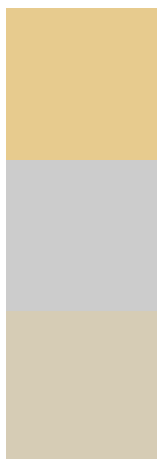
## Deuteranomaly

61.5308, 0.3907, 0.3899

## Tritanomaly

61.0975, 0.3529, 0.3424

# Monochromacy



## Original Color

61.6538, 0.3814, 0.3972

## Achromatopsia

60.3827, 0.3127, 0.3290

## Achromatomaly

60.8181, 0.3374, 0.3559

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.6538, 0.3814, 0.3972 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(231, 203, 142)` looks like.

```
.text, #text, p{  
    color:rgb(231, 203, 142)  
}
```

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(231, 203, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 203, 142) }
```

## Border

The CSS property to change the border of an element to Yxy 61.6538, 0.3814, 0.3972 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(231, 203, 142) }
```

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

```
.border{ border-color:rgb(231, 203, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 203, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 203, 142); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 203, 142); box-shadow:4px 4px 4px 4px rgb(231, 203, 142) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.6538, 0.3814, 0.3972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 203, 142) }
```

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

```
.background{ background-color: rgb(231,  
203, 142) }
```

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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