

# Converting Colors

$Y_{xy}(49.3250, 0.4287, 0.4204)$

Have a look what the booklet for  
Yxy(49.3250, 0.4287, 0.4204)  
contains.

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# Color

**Yxy(49.3250, 0.4287, 0.4204)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5B25F
RGB	229, 178, 95
RGB Percent	90%, 70%, 37%
CMY	0.1020, 0.3019, 0.6273
CMYK	0.00, 0.22, 0.58, 0.10
HSL	37°, 72%, 64%
HSV	37°, 58%, 90%
XYZ	50.2988, 49.3250, 17.7049
YIQ	183.7870, 57.0390, -15.0010

# Conversions

## Conversions Part 2

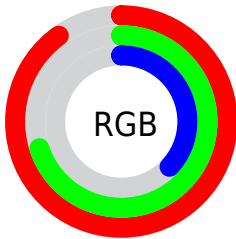
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	177, 229, 95
Decimal	15053407
CIE <sub>Lab</sub>	75.65, 9.37, 48.86
CIE <sub>LCh</sub>	76, 49.751, 79.140
Yxy	49.3250, 0.4287, 0.4204
Android (android.graphics.Color)	4293243487 (0xFFE5B25F)
YUV	183.7870, -43.7720, 39.6518
Hunter-Lab	70.2318, 4.9332, 34.2157

# Details

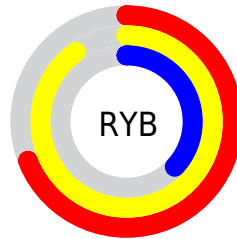
The Yxy color **49.3250, 0.4287, 0.4204** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **28.6573, 0.2144, 0.2108**, and the grayscale version is **48.0345, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2438, 0.3836, 0.4151**, and **23.6496, 0.4553, 0.4396** is the 20% darker color. If you saturate the color by 10%, you get **45.6109, 0.4512, 0.4312**, and if you desaturate by 10%, it is **53.3867, 0.4059, 0.4066**.

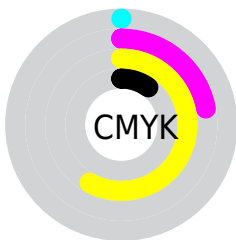
# Distribution



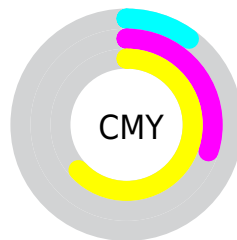
- Red (90%)
- Green (70%)
- Blue (37%)



- Red (69%)
- Yellow (90%)
- Blue (37%)



- Cyan (0%)
- Magenta (22%)
- Yellow (58%)
- Black (10%)




- Cyan (10%)
- Magenta (30%)
- Yellow (63%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.3250, 0.4287, 0.4204 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 49.3250, 0.4287, 0.4204 by changing the saturation by 10% instead.



 49.3250, 0.4287,  
0.4204

 49.3250, 0.4287,  
0.4204


384.0204, 0.3732,  
0.3788

 34.8774, 0.4411,  
0.4289


 89.1740, 0.4095,  
0.4066

 23.5684, 0.4560,  
0.4386


 115.3441, 0.4019,  
0.4010

 15.0138, 0.4737,  
0.4492


 146.1905, 0.3955,  
0.3961

 8.8291, 0.4944,  
0.4597

 182.0975, 0.3898,  
0.3918

 4.6299, 0.5254,  
0.4746

223.4496, 0.3849,  
0.3880

 2.0318, 0.5371,  
0.4629

270.6312, 0.3805,

 0.6258, 0.5682,

0.3846

0.4318

324.0267, 0.3766,  
0.3816

0.0000, 0.0000,  
0.0000

49.3250, 0.4287,  
0.4204

49.3250, 0.4287,  
0.4204

45.6109, 0.4512,  
0.4312

53.3867, 0.4059,  
0.4066

42.2221, 0.4722,  
0.4378

57.8024, 0.3837,  
0.3910

39.1437, 0.4905,  
0.4393

62.5872, 0.3628,  
0.3746

36.3523, 0.5056,  
0.4358

67.7528, 0.3435,  
0.3581

35.9532, 0.5077,  
0.4351

73.3104, 0.3261,  
0.3420

■ 79.2703, 0.3105,  
0.3268

■ 85.6210, 0.2968,  
0.3128

■ 90.8489, 0.2969,  
0.3217

■ 95.3969, 0.2970,  
0.3290

# Harmonies

## Analogous

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



49.3250, 0.4486, 0.3722



49.3250, 0.4287, 0.4204



49.3250, 0.3781, 0.4514

# Triad

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



49.3250, 0.4287, 0.4204



49.3250, 0.2089, 0.3213



49.3250, 0.3003, 0.2405

# Complementary

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



49.3250, 0.4287, 0.4204



28.6573, 0.2144, 0.2108

# 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.



49.3250, 0.2411, 0.2247



49.3250, 0.4287, 0.4204



49.3250, 0.1932, 0.2631

# Square

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



49.3250, 0.4287, 0.4204



49.3250, 0.2512, 0.3928



49.3250, 0.2044, 0.2311



49.3250, 0.3702, 0.2745



# Rectangle

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



49.3250, 0.4287, 0.4204



49.3250, 0.3352, 0.4522



49.3250, 0.2044, 0.2311



49.3250, 0.2785, 0.2330

# Sweetspot

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



49.3274, 0.4287, 0.4204



86.7438, 0.3428, 0.3574



26.9358, 0.4208, 0.2723



18.1415, 0.3483, 0.3622



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.



49.3274, 0.4287, 0.4204



57.3544, 0.4554, 0.4328



71.0624, 0.3837, 0.4731



15.8473, 0.3277, 0.3435



20.7971, 0.5060, 0.4364



1.7148, 0.4900, 0.4491



# Inverse Universe

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



28.6573, 0.2144, 0.2108



28.8575, 0.1963, 0.1821



17.2062, 0.2096, 0.1457



14.7818, 0.2981, 0.3140



7.3616, 0.1670, 0.1211



0.7188, 0.1751, 0.1503



# Previews

## White Background



This preview shows how the Yxy color 49.3250, 0.4287, 0.4204 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

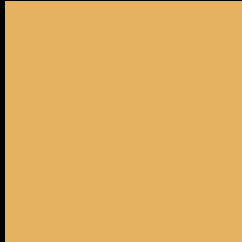
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.3250, 0.4287, 0.4204 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

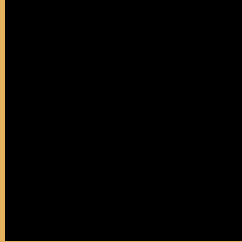
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 49.3250, 0.4287, 0.4204**

## **Background**



This preview shows how black text looks on a background with the Yxy color 49.3250, 0.4287, 0.4204.



This preview shows how white text looks on a background with the Yxy color 49.3250, 0.4287, 0.4204.

# 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

49.3250, 0.4287, 0.4204

### Protanopia

49.5443, 0.3996, 0.4358

### Deuteranopia

49.3250, 0.4287, 0.4204



## Tritanopia

49.1743, 0.3642, 0.3146

# Trichromacy



**Original Color**

49.3250, 0.4287, 0.4204

**Protanomaly**

49.4402, 0.4095, 0.4305

**Deuteranomaly**

49.3250, 0.4287, 0.4204

**Tritanomaly**

49.0307, 0.3893, 0.3543

# Monochromacy



**Original Color**

49.3250, 0.4287, 0.4204

**Achromatopsia**

47.9320, 0.3127, 0.3290

**Achromatomaly**

48.0023, 0.3535, 0.3671

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.3250, 0.4287, 0.4204 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(229, 178, 95)` looks like.

```
.text, #text, p{  
    color:rgb(229, 178, 95)  
}
```

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(229, 178, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 178, 95) }
```

## Border

The CSS property to change the border of an element to Yxy 49.3250, 0.4287, 0.4204 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(229, 178, 95) }
```

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

```
.border{ border-color:rgb(229, 178, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 178, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 178, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 178, 95);  
box-shadow:4px 4px 4px 4px rgb(229, 178,  
95) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.3250, 0.4287, 0.4204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 178, 95) }
```

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

```
.background{ background-color: rgb(229,  
178, 95) }
```

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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