

# Converting Colors

$Y_{xy}(46.5192, 0.4374, 0.4278)$

Have a look what the booklet for  
Yxy(46.5192, 0.4374, 0.4278)  
contains.

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# Color

**Yxy(46.5192, 0.4374, 0.4278)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1AD53
RGB	225, 173, 83
RGB Percent	88%, 68%, 33%
CMY	0.1175, 0.3216, 0.6745
CMYK	0.00, 0.23, 0.63, 0.12
HSL	38°, 70%, 60%
HSV	38°, 63%, 88%
XYZ	47.5631, 46.5192, 14.6582
YIQ	178.2880, 59.8820, -16.9660

# Conversions

## Conversions Part 2

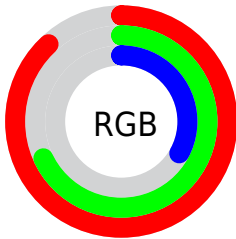
<b>Format</b>	<b>Color</b>
<b>RYB</b>	165, 225, 83
Decimal	14789971
CIELab	73.88, 9.54, 52.46
CIELCh	74, 53.325, 79.692
Yxy	46.5192, 0.4374, 0.4278
Android (android.graphics.Color)	4292980051 (0xFFE1AD53)
YUV	178.2880, -46.9770, 40.9664
Hunter-Lab	68.2050, 5.1192, 35.0012

# Details

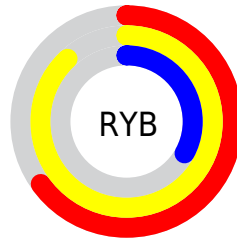
The Yxy color **46.5192, 0.4374, 0.4278** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **24.6188, 0.2065, 0.1968**, and the grayscale version is **44.9140, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4961, 0.3943, 0.4219**, and **21.8807, 0.4654, 0.4465** is the 20% darker color. If you saturate the color by 10%, you get **43.1634, 0.4587, 0.4371**, and if you desaturate by 10%, it is **50.1875, 0.4151, 0.4150**.

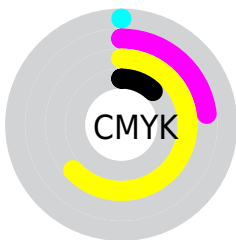
# Distribution



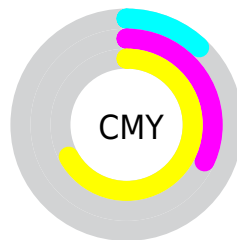
- Red (88%)
- Green (68%)
- Blue (33%)



- Red (65%)
- Yellow (88%)
- Blue (33%)



- Cyan (0%)
- Magenta (23%)
- Yellow (63%)
- Black (12%)




- Cyan (12%)
- Magenta (32%)
- Yellow (67%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.5192, 0.4374, 0.4278 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 46.5192, 0.4374, 0.4278 by changing the saturation by 10% instead.





 46.5192, 0.4374,  
0.4278

 46.5192, 0.4374,  
0.4278


372.8921, 0.3777,  
0.3831

 32.6557, 0.4505,  
0.4367


 84.9955, 0.4169,  
0.4131

 21.8628, 0.4660,  
0.4465


 110.3771, 0.4088,  
0.4071


 13.7562, 0.4841,  
0.4568


 140.3669, 0.4018,  
0.4018

 7.9513, 0.5071,  
0.4684

 175.3492, 0.3957,  
0.3972

 4.0638, 0.5278,  
0.4722

 215.7085, 0.3904,  
0.3930

 1.7093, 0.5408,  
0.4592

261.8292, 0.3856,

 0.4297, 0.5988,

0.3893

0.4012

314.0956, 0.3815,  
0.3860

0.0000, 0.0000,  
0.0000

46.5192, 0.4374,  
0.4278

46.5192, 0.4374,  
0.4278

43.1634, 0.4587,  
0.4371

50.1875, 0.4151,  
0.4150

40.0983, 0.4780,  
0.4418

54.1747, 0.3930,  
0.3998

37.3090, 0.4941,  
0.4412

58.4952, 0.3718,  
0.3833

35.5302, 0.5036,  
0.4383

63.1601, 0.3520,  
0.3664

68.1801, 0.3338,  
0.3498

■ 73.5649, 0.3175,  
0.3338

■ 79.3241, 0.3028,  
0.3187

■ 84.9381, 0.2943,  
0.3126

■ 89.8754, 0.2945,  
0.3211

# Harmonies

## Analogous

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



46.5192, 0.4607, 0.3753



46.5192, 0.4374, 0.4278



46.5192, 0.3815, 0.4628

# Triad

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



46.5192, 0.4374, 0.4278



46.5192, 0.1996, 0.3185



46.5192, 0.3002, 0.2341

# Complementary

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



46.5192, 0.4374, 0.4278



24.6188, 0.2065, 0.1968

# 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.



46.5192, 0.2359, 0.2166



46.5192, 0.4374, 0.4278



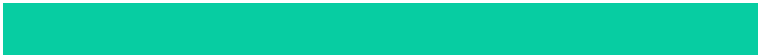
46.5192, 0.1838, 0.2558

# Square

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



46.5192, 0.4374, 0.4278



46.5192, 0.2443, 0.3978



46.5192, 0.1963, 0.2226



46.5192, 0.3766, 0.2707



# Rectangle

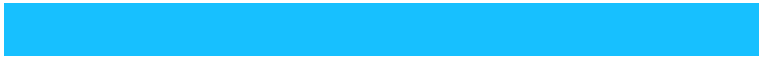
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.5192, 0.4374, 0.4278



46.5192, 0.3348, 0.4643



46.5192, 0.1963, 0.2226



46.5192, 0.2765, 0.2259

# Sweetspot

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



46.5215, 0.4374, 0.4278



86.4550, 0.3445, 0.3597



23.9524, 0.4377, 0.2721



18.1013, 0.3499, 0.3646



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.



46.5215, 0.4374, 0.4278



55.8765, 0.4656, 0.4392



67.6252, 0.3855, 0.4831



15.1410, 0.3276, 0.3438



20.6986, 0.5019, 0.4397



1.6036, 0.4859, 0.4524



# Inverse Universe

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



24.6188, 0.2065, 0.1968



24.7776, 0.1873, 0.1642



14.4483, 0.2024, 0.1320



14.0616, 0.2981, 0.3137



6.8524, 0.1659, 0.1173



0.6418, 0.1746, 0.1483



# Previews

## White Background



This preview shows how the Yxy color 46.5192, 0.4374, 0.4278 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

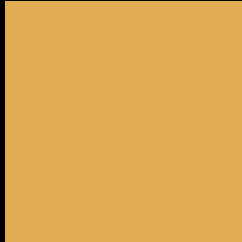
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.5192, 0.4374, 0.4278 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 46.5192, 0.4374, 0.4278**

## **Background**



This preview shows how black text looks on a background with the Yxy color 46.5192, 0.4374, 0.4278.



This preview shows how white text looks on a background with the Yxy color 46.5192, 0.4374, 0.4278.

# 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

46.5192, 0.4374, 0.4278

### Protanopia

46.6843, 0.4072, 0.4446

### Deuteranopia

46.5192, 0.4374, 0.4278



## Tritanopia

46.4453, 0.3675, 0.3155

# Trichromacy



**Original Color**

46.5192, 0.4374, 0.4278

**Protanomaly**

46.5977, 0.4175, 0.4388

**Deuteranomaly**

46.5192, 0.4374, 0.4278

**Tritanomaly**

46.2484, 0.3952, 0.3583

# Monochromacy



**Original Color**

46.5192, 0.4374, 0.4278

**Achromatopsia**

44.5201, 0.3127, 0.3290

**Achromatomaly**

44.6359, 0.3584, 0.3721

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.5192, 0.4374, 0.4278 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(225, 173, 83)` looks like.

```
.text, #text, p{  
    color:rgb(225, 173, 83)  
}
```

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(225, 173, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 173, 83) }
```

## Border

The CSS property to change the border of an element to Yxy 46.5192, 0.4374, 0.4278 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(225, 173, 83) }
```

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

```
.border{ border-color:rgb(225, 173, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 173, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 173, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 173, 83);  
box-shadow:4px 4px 4px 4px rgb(225, 173,  
83) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.5192, 0.4374, 0.4278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 173, 83) }
```

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

```
.background{ background-color: rgb(225,  
173, 83) }
```

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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