

# Converting Colors

$Yxy(49.4576, 0.4100, 0.3976)$

Have a look what the booklet for  
Yxy(49.4576, 0.4100, 0.3976)  
contains.

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# Color

**Yxy(49.6428, 0.4100, 0.3976)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4B276
RGB	228, 178, 118
RGB Percent	89%, 70%, 46%
CMY	0.1058, 0.3020, 0.5373
CMYK	0.00, 0.22, 0.48, 0.11
HSL	33°, 67%, 68%
HSV	33°, 48%, 89%
XYZ	51.1910, 49.6428, 24.0223
YIQ	186.1100, 49.0600, -8.0600

# Conversions

## Conversions Part 2

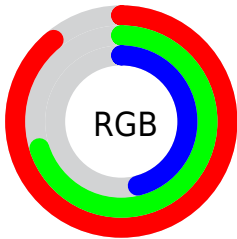
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	210, 228, 118
Decimal	14987894
CIE <sub>Lab</sub>	75.85, 10.90, 37.51
CIE <sub>LCh</sub>	76, 39.063, 73.791
Yxy	49.6428, 0.4100, 0.3976
Android (android.graphics.Color)	4293177974 (0xFFE4B276)
YUV	186.1100, -33.5782, 36.7375
Hunter-Lab	70.4576, 6.3883, 29.1056

# Details

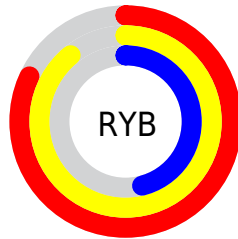
The Yxy color **49.6428, 0.4100, 0.3976** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **37.4693, 0.2339, 0.2469**, and the grayscale version is **49.3409, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0459, 0.3688, 0.3926**, and **23.6306, 0.4355, 0.4124** is the 20% darker color. If you saturate the color by 10%, you get **45.1958, 0.4354, 0.4099**, and if you desaturate by 10%, it is **54.5374, 0.3859, 0.3837**.

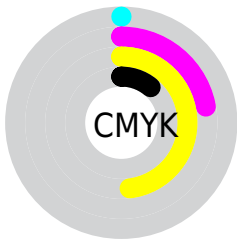
# Distribution



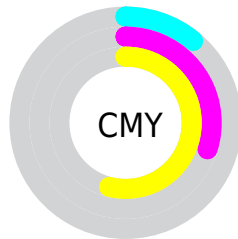
- Red (89%)
- Green (70%)
- Blue (46%)



- Red (82%)
- Yellow (89%)
- Blue (46%)



- Cyan (0%)
- Magenta (22%)
- Yellow (48%)
- Black (11%)




- Cyan (11%)
- Magenta (30%)
- Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.6428, 0.4100, 0.3976 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 49.6428, 0.4100, 0.3976 by changing the saturation by 10% instead.





 49.6428, 0.4100,  
0.3976

 49.6428, 0.4100,  
0.3976


385.2674, 0.3624,  
0.3658


 35.1297, 0.4212,  
0.4045


 89.6454, 0.3931,  
0.3868

 23.7628, 0.4351,  
0.4126


 115.9037, 0.3867,  
0.3825

 15.1577, 0.4526,  
0.4222


 146.8458, 0.3811,  
0.3788

 8.9302, 0.4748,  
0.4330

182.8561, 0.3764,  
0.3755

 4.6957, 0.5063,  
0.4467

224.3190, 0.3722,  
0.3727

 2.0698, 0.5445,  
0.4555

271.6189, 0.3685,

 0.6476, 0.5767,

0.3701

0.4233

325.1403, 0.3653,  
0.3678

0.0000, 0.0000,  
0.0000

49.6428, 0.4100,  
0.3976

49.6428, 0.4100,  
0.3976

45.1958, 0.4354,  
0.4099

54.5374, 0.3859,  
0.3837

41.1729, 0.4611,  
0.4192

59.8878, 0.3637,  
0.3690

37.5585, 0.4857,  
0.4244

65.7108, 0.3437,  
0.3543

34.3323, 0.5078,  
0.4244

72.0197, 0.3258,  
0.3401

31.4682, 0.5262,  
0.4191

78.8277, 0.3101,  
0.3267

■ 30.9994, 0.5293,  
0.4180

■ 86.1470, 0.2963,  
0.3142

■ 92.4461, 0.2963,  
0.3245

■ 95.2380, 0.2964,  
0.3290

# Harmonies

## Analogous

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



49.6428, 0.4189, 0.3585



49.6428, 0.4100, 0.3976



49.6428, 0.3744, 0.4231

# Triad

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



49.6428, 0.4100, 0.3976



49.6428, 0.2346, 0.3339



49.6428, 0.2942, 0.2539

# Complementary

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



49.6428, 0.4100, 0.3976



37.4693, 0.2339, 0.2469

# 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.



49.6428, 0.2490, 0.2443



49.6428, 0.4100, 0.3976



49.6428, 0.2170, 0.2850

# Square

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



49.6428, 0.4100, 0.3976



49.6428, 0.2729, 0.3870



49.6428, 0.2222, 0.2542



49.6428, 0.3487, 0.2796



# Rectangle

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



49.6428, 0.4100, 0.3976



49.6428, 0.3415, 0.4256



49.6428, 0.2222, 0.2542



49.6428, 0.2775, 0.2487

# Sweetspot

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



49.6452, 0.4100, 0.3976



87.9872, 0.3360, 0.3483



32.3319, 0.3821, 0.2705



18.4608, 0.3399, 0.3515



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.



49.6452, 0.4100, 0.3976



58.1836, 0.4357, 0.4100



72.7127, 0.3808, 0.4475



15.6639, 0.3279, 0.3418



18.1360, 0.5271, 0.4197



1.5254, 0.5071, 0.4355

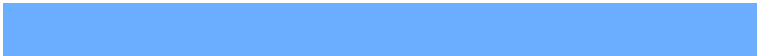


# Inverse Universe

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



37.4693, 0.2339, 0.2469



40.7593, 0.2179, 0.2258



22.6724, 0.2234, 0.1779



14.9612, 0.2981, 0.3158



9.1436, 0.1732, 0.1434



0.8594, 0.1809, 0.1713



# Previews

## White Background



This preview shows how the Yxy color 49.6428, 0.4100, 0.3976 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 49.6428, 0.4100, 0.3976 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 49.6428, 0.4100, 0.3976**

## Background



This preview shows how black text looks on a background with the Yxy color 49.6428, 0.4100, 0.3976.



This preview shows how white text looks on a background with the Yxy color 49.6428, 0.4100, 0.3976.

# 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

49.6428, 0.4100, 0.3976

### Protanopia

49.7832, 0.3800, 0.4096

### Deuteranopia

49.7170, 0.4076, 0.3992



## Tritanopia

49.6608, 0.3601, 0.3145

# Trichromacy



**Original Color**

49.6428, 0.4100, 0.3976

**Protanomaly**

49.8076, 0.3905, 0.4049

**Deuteranomaly**

49.8791, 0.4085, 0.3990

**Tritanomaly**

49.5461, 0.3796, 0.3452

# Monochromacy



**Original Color**

49.6428, 0.4100, 0.3976

**Achromatopsia**

49.1021, 0.3127, 0.3290

**Achromatomaly**

48.8577, 0.3465, 0.3567

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.6428, 0.4100, 0.3976 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(228, 178, 118)` looks like.

```
.text, #text, p{  
    color:rgb(228, 178, 118)  
}
```

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(228, 178, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 178, 118) }
```

## Border

The CSS property to change the border of an element to Yxy 49.6428, 0.4100, 0.3976 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(228, 178, 118) }
```

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

```
.border{ border-color:rgb(228, 178, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 178, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 178, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 178, 118);  
box-shadow:4px 4px 4px 4px rgb(228, 178,  
118) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.6428, 0.4100, 0.3976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 178, 118) }
```

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

```
.background{ background-color: rgb(228,  
178, 118) }
```

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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