

# Converting Colors

$Yxy(48.5626, 0.4085, 0.4047)$

Have a look what the booklet for  
Yxy(48.5626, 0.4085, 0.4047)  
contains.

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# **Color**

**Yxy(48.5626, 0.4085, 0.4047)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEB271
RGB	222, 178, 113
RGB Percent	87%, 70%, 44%
CMY	0.1295, 0.3019, 0.5568
CMYK	0.00, 0.20, 0.49, 0.13
HSL	36°, 62%, 66%
HSV	36°, 49%, 87%
XYZ	49.0186, 48.5626, 22.4154
YIQ	183.7460, 47.0890, -10.8870

# Conversions

## Conversions Part 2

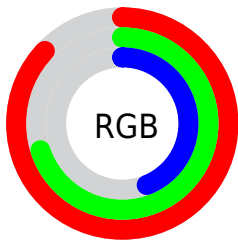
Format	Color
<a href="#">RYB</a>	<a href="#">187, 222, 113</a>
Decimal	<a href="#">14594673</a>
CIELab	<a href="#">75.18, 7.96, 39.11</a>
CIELCh	<a href="#">75, 39.912, 78.498</a>
Yxy	<a href="#">48.5626, 0.4085, 0.4047</a>
Android (android.graphics.Color)	<a href="#">4292784753</a> ( <a href="#">0xFFDEB271</a> )
YUV	<a href="#">183.7460, -34.8778, 33.5488</a>
Hunter-Lab	<a href="#">69.6869, 3.6070, 29.7097</a>

# Details

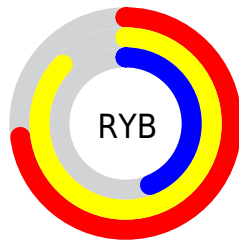
The Yxy color **48.5626, 0.4085, 0.4047** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **32.8848, 0.2311, 0.2371**, and the grayscale version is **47.9623, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8588, 0.3721, 0.3976**, and **23.2799, 0.4334, 0.4226** is the 20% darker color. If you saturate the color by 10%, you get **44.6765, 0.4321, 0.4179**, and if you desaturate by 10%, it is **52.8082, 0.3857, 0.3897**.

# Distribution



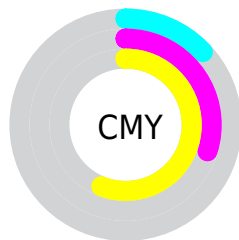
- Red (87%)
- Green (70%)
- Blue (44%)



- Red (73%)
- Yellow (87%)
- Blue (44%)



- Cyan (0%)
- Magenta (20%)
- Yellow (49%)
- Black (13%)



- Cyan (13%)
- Magenta (30%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.5626, 0.4085, 0.4047 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 48.5626, 0.4085, 0.4047 by changing the saturation by 10% instead.





 48.5626, 0.4085,  
0.4047


 48.5626, 0.4085,  
0.4047

381.0178, 0.3617,  
0.3692


 34.2726, 0.4194,  
0.4125


 88.0415, 0.3920,  
0.3925

 23.1031, 0.4329,  
0.4218


 113.9992, 0.3856,  
0.3877

 14.6697, 0.4498,  
0.4328


 144.6149, 0.3802,  
0.3836

 8.5879, 0.4709,  
0.4454

 180.2730, 0.3755,  
0.3799

 4.4734, 0.5039,  
0.4648

221.3580, 0.3714,  
0.3767

 1.9417, 0.5304,  
0.4696

268.2542, 0.3678,

 0.5733, 0.5632,

0.3739

0.4368

321.3460, 0.3646,  
0.3714

0.0000, 0.0000,  
0.0000

48.5626, 0.4085,  
0.4047

48.5626, 0.4085,  
0.4047

44.6765, 0.4321,  
0.4179

52.8082, 0.3857,  
0.3897

41.1294, 0.4554,  
0.4280

57.4189, 0.3643,  
0.3738

37.9088, 0.4774,  
0.4339

62.4084, 0.3448,  
0.3579

34.9979, 0.4967,  
0.4347

67.7878, 0.3271,  
0.3424

32.3724, 0.5126,  
0.4305

73.5674, 0.3114,  
0.3277

 32.1444, 0.5141,  
0.4300

 79.7572, 0.2974,  
0.3139

 85.4741, 0.2925,  
0.3143

 90.8970, 0.2927,  
0.3235

 94.2647, 0.2929,  
0.3289

# Harmonies

## Analogous

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



48.5626, 0.4227, 0.3658



48.5626, 0.4085, 0.4047



48.5626, 0.3685, 0.4277

# Triad

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



48.5626, 0.4085, 0.4047



48.5626, 0.2281, 0.3252



48.5626, 0.3021, 0.2551

# Complementary

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



48.5626, 0.4085, 0.4047



32.8848, 0.2311, 0.2371

# 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.



48.5626, 0.2534, 0.2424



48.5626, 0.4085, 0.4047



48.5626, 0.2138, 0.2773

# Square

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



48.5626, 0.4085, 0.4047



48.5626, 0.2643, 0.3809



48.5626, 0.2227, 0.2491



48.5626, 0.3583, 0.2836



# Rectangle

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



48.5626, 0.4085, 0.4047



48.5626, 0.3337, 0.4271



48.5626, 0.2227, 0.2491



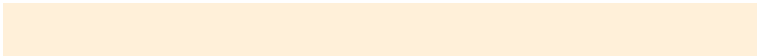
48.5626, 0.2843, 0.2489

# Sweetspot

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



48.5649, 0.4085, 0.4047



88.3245, 0.3375, 0.3517



29.8201, 0.3906, 0.2758



18.5753, 0.3414, 0.3550



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.



48.5649, 0.4085, 0.4047



60.9932, 0.4329, 0.4183



67.5480, 0.3773, 0.4511



15.0536, 0.3277, 0.3430



19.3224, 0.5123, 0.4314



1.5135, 0.4941, 0.4459

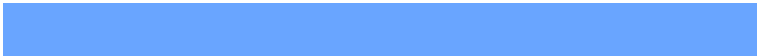


# Inverse Universe

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



32.8848, 0.2311, 0.2371



37.1924, 0.2141, 0.2133



21.2291, 0.2258, 0.1767



14.1464, 0.2981, 0.3146



7.6358, 0.1689, 0.1279



0.7015, 0.1774, 0.1585



# Previews

## White Background



This preview shows how the Yxy color 48.5626, 0.4085, 0.4047 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 48.5626, 0.4085, 0.4047 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 48.5626, 0.4085, 0.4047**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.5626, 0.4085, 0.4047.



This preview shows how white text looks on a background with the Yxy color 48.5626, 0.4085, 0.4047.

# 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

48.5626, 0.4085, 0.4047

### Protanopia

48.5154, 0.3837, 0.4150

### Deuteranopia

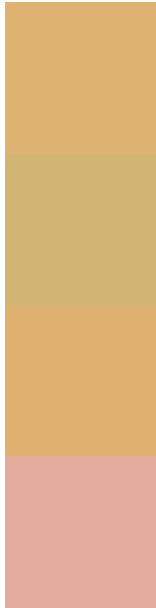
48.4838, 0.4110, 0.4030



## Tritanopia

48.2888, 0.3548, 0.3130

# Trichromacy



**Original Color**

48.5626, 0.4085, 0.4047

**Protanomaly**

48.2490, 0.3926, 0.4107

**Deuteranomaly**

48.3245, 0.4101, 0.4033

**Tritanomaly**

48.1424, 0.3753, 0.3456

# Monochromacy



**Original Color**

48.5626, 0.4085, 0.4047

**Achromatopsia**

47.9320, 0.3127, 0.3290

**Achromatomaly**

47.9303, 0.3465, 0.3596

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.5626, 0.4085, 0.4047 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(222, 178, 113)` looks like.

```
.text, #text, p{  
    color:rgb(222, 178, 113)  
}
```

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(222, 178, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 178, 113) }
```

## Border

The CSS property to change the border of an element to Yxy 48.5626, 0.4085, 0.4047 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(222, 178, 113) }
```

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

```
.border{ border-color:rgb(222, 178, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 178, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 178, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 178, 113);  
box-shadow:4px 4px 4px 4px rgb(222, 178,  
113) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.5626, 0.4085, 0.4047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 178, 113) }
```

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

```
.background{ background-color: rgb(222,  
178, 113) }
```

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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