

# Converting Colors

$Y_{xy}(48.3418, 0.4059, 0.4123)$

Have a look what the booklet for  
Yxy(48.3418, 0.4059, 0.4123)  
contains.

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# Color

**Yxy(48.4984, 0.4059, 0.4127)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9B46D
RGB	217, 180, 109
RGB Percent	85%, 71%, 43%
CMY	0.1490, 0.2941, 0.5725
CMYK	0.00, 0.17, 0.50, 0.15
HSL	39°, 59%, 64%
HSV	39°, 50%, 85%
XYZ	47.6993, 48.4984, 21.3172
YIQ	182.9690, 44.8430, -14.2370

# Conversions

## Conversions Part 2

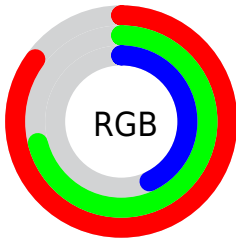
Format	Color
R <sub>YB</sub>	165, 217, 109
Decimal	14267501
CIE Lab	75.14, 4.50, 41.00
CIE LCh	75, 41.249, 83.734
Yxy	48.4984, 0.4059, 0.4127
Android (android.graphics.Color)	4292457581 (0xFFD9B46D)
YUV	182.9690, -36.4667, 29.8452
Hunter-Lab	69.6408, 0.3892, 30.5998

# Details

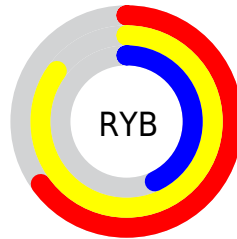
The Yxy color **48.4984, 0.4059, 0.4127** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **28.8251, 0.2281, 0.2259**, and the grayscale version is **47.5234, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8595, 0.3740, 0.4034**, and **22.9681, 0.4299, 0.4317** is the 20% darker color. If you saturate the color by 10%, you get **45.1672, 0.4273, 0.4269**, and if you desaturate by 10%, it is **52.1107, 0.3847, 0.3965**.

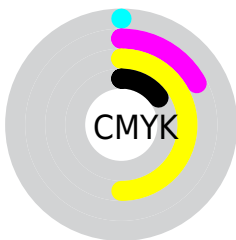
# Distribution



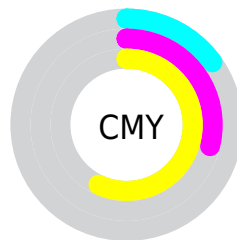
- Red (85%)
- Green (71%)
- Blue (43%)



- Red (65%)
- Yellow (85%)
- Blue (43%)



- Cyan (0%)
- Magenta (17%)
- Yellow (50%)
- Black (15%)



- Cyan (15%)
- Magenta (29%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.4984, 0.4059, 0.4127 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 48.4984, 0.4059, 0.4127 by changing the saturation by 10% instead.




 48.4984, 0.4059,  
0.4127


 48.4984, 0.4059,  
0.4127


380.7643, 0.3607,  
0.3730


 34.2217, 0.4163,  
0.4215


 87.9460, 0.3900,  
0.3990


 23.0640, 0.4291,  
0.4321


 113.8858, 0.3839,  
0.3936

 14.6408, 0.4448,  
0.4448


 144.4820, 0.3786,  
0.3890

 8.5677, 0.4640,  
0.4594

 180.1191, 0.3741,  
0.3850

 4.4603, 0.4971,  
0.4851

221.1815, 0.3701,  
0.3814

 1.9342, 0.5120,  
0.4880

268.0536, 0.3666,

 0.5688, 0.5335,

0.3783

0.4665

321.1197, 0.3635,  
0.3755

0.0000, 0.0000,  
0.0000

48.4984, 0.4059,  
0.4127

48.4984, 0.4059,  
0.4127

45.1672, 0.4273,  
0.4269

52.1107, 0.3847,  
0.3965

42.0989, 0.4481,  
0.4380

56.0074, 0.3644,  
0.3793

39.2836, 0.4670,  
0.4448


60.2002, 0.3454,  
0.3619


36.7068, 0.4832,  
0.4467


64.6981, 0.3281,  
0.3449

34.3455, 0.4965,  
0.4438


69.5094, 0.3124,  
0.3286

 34.2926, 0.4968,  
0.4438

 74.6422, 0.2983,  
0.3134

 79.7170, 0.2891,  
0.3051

 83.9938, 0.2894,  
0.3129

 88.4498, 0.2897,  
0.3207

# Harmonies

## Analogous

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



48.4984, 0.4262, 0.3742



48.4984, 0.4059, 0.4127



48.4984, 0.3611, 0.4325

# Triad

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



48.4984, 0.4059, 0.4127



48.4984, 0.2212, 0.3151



48.4984, 0.3117, 0.2570

# Complementary

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



48.4984, 0.4059, 0.4127



28.8251, 0.2281, 0.2259

# 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.



48.4984, 0.2591, 0.2408



48.4984, 0.4059, 0.4127



48.4984, 0.2107, 0.2687

# Square

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



48.4984, 0.4059, 0.4127



48.4984, 0.2547, 0.3730



48.4984, 0.2239, 0.2438



48.4984, 0.3694, 0.2886



# Rectangle

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



48.4984, 0.4059, 0.4127



48.4984, 0.3243, 0.4278



48.4984, 0.2239, 0.2438



48.4984, 0.2928, 0.2496

# Sweetspot

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



48.5007, 0.4059, 0.4127



89.6974, 0.3372, 0.3539



27.7931, 0.4016, 0.2838



18.9067, 0.3409, 0.3576



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.



48.5007, 0.4059, 0.4127



64.7296, 0.4290, 0.4279



63.1259, 0.3722, 0.4552



14.4734, 0.3275, 0.3443



20.9605, 0.4953, 0.4449



1.5158, 0.4798, 0.4572



# Inverse Universe

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



28.8251, 0.2281, 0.2259



33.2973, 0.2097, 0.1986



20.3253, 0.2303, 0.1768



13.3430, 0.2981, 0.3132



6.2037, 0.1642, 0.1111



0.5591, 0.1734, 0.1441



# Previews

## White Background



This preview shows how the Yxy color 48.4984, 0.4059, 0.4127 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

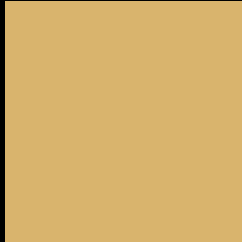
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.4984, 0.4059, 0.4127 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 48.4984, 0.4059, 0.4127**

## Background



This preview shows how black text looks on a background with the Yxy color 48.4984, 0.4059, 0.4127.



This preview shows how white text looks on a background with the Yxy color 48.4984, 0.4059, 0.4127.

# 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

48.4984, 0.4059, 0.4127

### Protanopia

48.5421, 0.3885, 0.4205

### Deuteranopia

48.5776, 0.4143, 0.4059



## Tritanopia

48.4338, 0.3498, 0.3140

# Trichromacy



## Original Color

48.4984, 0.4059, 0.4127

## Protanomaly

48.4027, 0.3950, 0.4178

## Deuteranomaly

48.4962, 0.4110, 0.4079

## Tritanomaly

48.0786, 0.3709, 0.3494

# Monochromacy



## Original Color

48.4984, 0.4059, 0.4127

## Achromatopsia

47.3531, 0.3127, 0.3290

## Achromatomaly

47.4583, 0.3455, 0.3625

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.4984, 0.4059, 0.4127 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(217, 180, 109)` looks like.

```
.text, #text, p{  
    color:rgb(217, 180, 109)  
}
```

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(217, 180, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 180, 109) }
```

## Border

The CSS property to change the border of an element to Yxy 48.4984, 0.4059, 0.4127 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(217, 180, 109) }
```

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

```
.border{ border-color:rgb(217, 180, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 180, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(217, 180, 109); -webkit-box-shadow:4px 4px 4px 4px rgb(217, 180, 109); box-shadow:4px 4px 4px 4px rgb(217, 180, 109) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.4984, 0.4059, 0.4127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 180, 109) }
```

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

```
.background{ background-color: rgb(217,  
180, 109) }
```

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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