

# Converting Colors

$Y_{xy}(48.0240, 0.3530, 0.3388)$

Have a look what the booklet for  
Yxy(48.0240, 0.3530, 0.3388)  
contains.

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# Color

**Yxy(48.0240, 0.3530, 0.3388)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5B0A8
RGB	213, 176, 168
RGB Percent	84%, 69%, 66%
CMY	0.1647, 0.3098, 0.3411
CMYK	0.00, 0.17, 0.21, 0.16
HSL	11°, 35%, 75%
HSV	11°, 21%, 84%
XYZ	50.0368, 48.0240, 43.6865
YIQ	186.1510, 24.6200, 5.3560

# Conversions

## Conversions Part 2

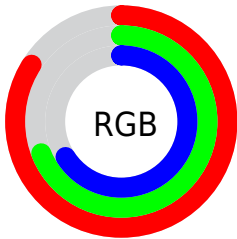
Format	Color
R <sub>Y</sub> B	213, 178, 168
Decimal	14004392
CIE Lab	74.84, 12.17, 9.11
CIE LCh	75, 15.205, 36.805
Yxy	48.0240, 0.3530, 0.3388
Android (android.graphics.Color)	4292194472 (0xFFD5B0A8)
YUV	186.1510, -8.9484, 23.5466
Hunter-Lab	69.2994, 7.6100, 11.1329

# Details

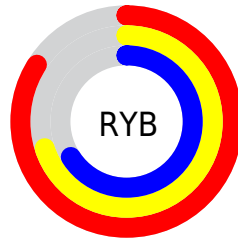
The Yxy color **48.0240, 0.3530, 0.3388** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **56.8066, 0.2808, 0.3190**, and the grayscale version is **49.2347, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3009, 0.3345, 0.3380**, and **22.6960, 0.3651, 0.3405** is the 20% darker color. If you saturate the color by 10%, you get **40.8626, 0.3786, 0.3438**, and if you desaturate by 10%, it is **56.2067, 0.3319, 0.3340**.

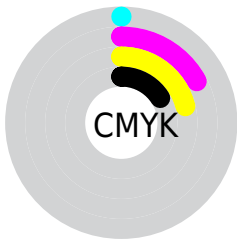
# Distribution



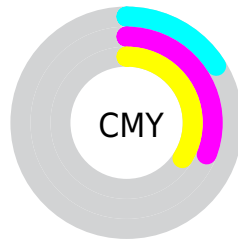
- Red (84%)
- Green (69%)
- Blue (66%)



- Red (84%)
- Yellow (70%)
- Blue (66%)



- Cyan (0%)
- Magenta (17%)
- Yellow (21%)
- Black (16%)




- Cyan (16%)
- Magenta (31%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.0240, 0.3530, 0.3388 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 48.0240, 0.3530, 0.3388 by changing the saturation by 10% instead.





 48.0240, 0.3530,  
0.3388

 48.0240, 0.3530,  
0.3388

378.8872, 0.3328,  
0.3342

 33.8459, 0.3581,  
0.3398


 87.2401, 0.3456,  
0.3372

 22.7752, 0.3646,  
0.3411


 113.0470, 0.3429,  
0.3366

 14.4276, 0.3732,  
0.3427


143.4988, 0.3406,  
0.3361

 8.4187, 0.3853,  
0.3447

178.9801, 0.3386,  
0.3356

 4.3640, 0.4033,  
0.3472

219.8752, 0.3368,  
0.3352

 1.8792, 0.4329,  
0.3502

266.5684, 0.3353,

 0.5358, 0.6008,

0.3348

0.3992

319.4443, 0.3340,  
0.3345

0.0000, 0.0000,  
0.0000

48.0240, 0.3530,  
0.3388

48.0240, 0.3530,  
0.3388

40.8626, 0.3786,  
0.3438

56.2067, 0.3319,  
0.3340

34.6759, 0.4091,  
0.3487

65.4419, 0.3145,  
0.3295

29.4235, 0.4449,  
0.3530

75.7676, 0.3001,  
0.3253

25.0595, 0.4851,  
0.3560

87.2180, 0.2883,  
0.3216

21.5340, 0.5275,  
0.3570

92.8874, 0.2877,  
0.3289

■ 18.7921, 0.5681,  
0.3550

■ 16.7723, 0.6016,  
0.3498

■ 15.5204, 0.6228,  
0.3437

# Harmonies

## Analogous

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



48.0240, 0.3416, 0.3209



48.0240, 0.3530, 0.3388



48.0240, 0.3531, 0.3549

# Triad

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



48.0240, 0.3530, 0.3388



48.0240, 0.3021, 0.3545



48.0240, 0.2835, 0.2942

# Complementary

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



48.0240, 0.3530, 0.3388



56.8066, 0.2808, 0.3190

# 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.



48.0240, 0.2738, 0.3017



48.0240, 0.3530, 0.3388



48.0240, 0.2843, 0.3365

# Square

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



48.0240, 0.3530, 0.3388



48.0240, 0.3233, 0.3650



48.0240, 0.2741, 0.3170



48.0240, 0.3012, 0.2957



# Rectangle

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



48.0240, 0.3530, 0.3388



48.0240, 0.3468, 0.3625



48.0240, 0.2741, 0.3170



48.0240, 0.2793, 0.2957

# Sweetspot

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



48.0262, 0.3530, 0.3388



91.2848, 0.3226, 0.3317



46.5920, 0.3214, 0.2851



19.3433, 0.3238, 0.3320



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.



48.0262, 0.3530, 0.3388



67.5372, 0.3630, 0.3409



57.3688, 0.3478, 0.3647



12.7735, 0.3287, 0.3332



9.5855, 0.6208, 0.3453



0.6882, 0.5891, 0.3704



# Inverse Universe

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



56.8066, 0.2808, 0.3190



82.8434, 0.2748, 0.3168



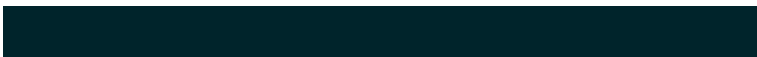
47.0046, 0.2788, 0.2906



13.7156, 0.2983, 0.3248



21.8482, 0.2088, 0.2717



1.4182, 0.2118, 0.2826



# Previews

## White Background



This preview shows how the Yxy color 48.0240, 0.3530, 0.3388 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

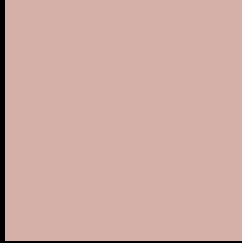
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.0240, 0.3530, 0.3388 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

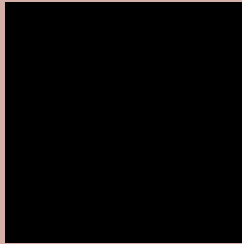
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.0240, 0.3530, 0.3388**

## Background



This preview shows how black text looks on a background with the Yxy color 48.0240, 0.3530, 0.3388.



This preview shows how white text looks on a background with the Yxy color 48.0240, 0.3530, 0.3388.

# 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

48.0240, 0.3530, 0.3388

### Protanopia

48.3359, 0.3283, 0.3444

### Deuteranopia

48.0778, 0.3480, 0.3414



## Tritanopia

47.9221, 0.3386, 0.3124

# Trichromacy



## Original Color

48.0240, 0.3530, 0.3388

## Protanomaly

48.1301, 0.3367, 0.3416

## Deuteranomaly

47.9731, 0.3500, 0.3401

## Tritanomaly

47.8635, 0.3437, 0.3219

# Monochromacy



## Original Color

48.0240, 0.3530, 0.3388

## Achromatopsia

49.1021, 0.3127, 0.3290

## Achromatomaly

48.4463, 0.3272, 0.3328

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.0240, 0.3530, 0.3388 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(213, 176, 168)` looks like.

```
.text, #text, p{  
    color:rgb(213, 176, 168)  
}
```

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(213, 176, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 176, 168) }
```

## Border

The CSS property to change the border of an element to Yxy 48.0240, 0.3530, 0.3388 is called "border". The border property can be set on classes, ids or directly on the HTML element.

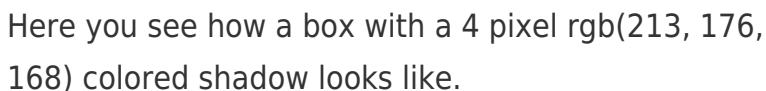
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(213, 176, 168) }
```

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

```
.border{ border-color:rgb(213, 176, 168) }
```

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



Here you see how a box with a 4 pixel `rgb(213, 176, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(213, 176, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(213, 176, 168); box-shadow:4px 4px 4px 4px rgb(213, 176, 168) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.0240, 0.3530, 0.3388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 176, 168) }
```

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

```
.background{ background-color: rgb(213,  
176, 168) }
```

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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