

# Converting Colors

$Y_{xy}(30.2884, 0.4094, 0.3378)$

Have a look what the booklet for  
Yxy(30.2884, 0.4094, 0.3378)  
contains.

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# Color

**Yxy(30.3745, 0.4092, 0.3383)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CD827B
RGB	205, 130, 123
RGB Percent	80%, 51%, 48%
CMY	0.1960, 0.4902, 0.5176
CMYK	0.00, 0.37, 0.40, 0.20
HSL	5°, 45%, 64%
HSV	5°, 40%, 80%
XYZ	36.7403, 30.3745, 22.6709
YIQ	151.6270, 46.9470, 13.7230

# Conversions

## Conversions Part 2

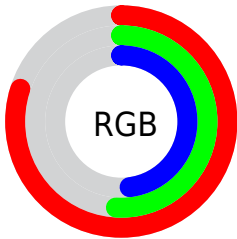
Format	Color
R <sub>Y</sub> B	205, 131, 123
Decimal	13468283
CIE Lab	61.98, 28.12, 15.90
CIE LCh	62, 32.307, 29.484
Yxy	30.3745, 0.4092, 0.3383
Android (android.graphics.Color)	4291658363 (0xFFCD827B)
YUV	151.6270, -14.1131, 46.8081
Hunter-Lab	55.1131, 22.5465, 14.1901

# Details

The Yxy color **30.3745, 0.4092, 0.3383** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **49.0322, 0.2565, 0.3192**, and the grayscale version is **31.2783, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.6361, 0.3819, 0.3387**, and **12.5276, 0.4424, 0.3397** is the 20% darker color. If you saturate the color by 10%, you get **25.3718, 0.4470, 0.3404**, and if you desaturate by 10%, it is **36.3974, 0.3774, 0.3359**.

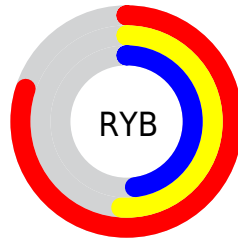
# Distribution



Red (80%)

Green (51%)

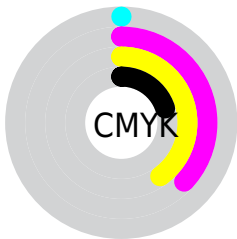
Blue (48%)



Red (80%)

Yellow (51%)

Blue (48%)

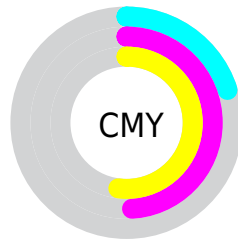


Cyan (0%)

Magenta (37%)

Yellow (40%)

Black (20%)



Cyan (20%)

Magenta (49%)


Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.3745, 0.4092, 0.3383 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 30.3745, 0.4092, 0.3383 by changing the saturation by 10% instead.





 30.3745, 0.4092,  
0.3383

 30.3745, 0.4092,  
0.3383


303.6462, 0.3570,  
0.3350


 20.1230, 0.4235,  
0.3385


 60.2539, 0.3893,  
0.3375

 12.4845, 0.4427,  
0.3383


 80.6507, 0.3821,  
0.3371

 7.0745, 0.4696,  
0.3370


 105.1979, 0.3761,  
0.3367

 3.5088, 0.5095,  
0.3331

134.2801, 0.3711,  
0.3363

 1.4028, 0.5904,  
0.3312

168.2817, 0.3668,  
0.3360

 0.2188, 0.8037,  
0.1963

207.5869, 0.3631,


 0.0000, 0.0000,


0.3356

0.0000


252.5803, 0.3599,  
0.3353


 30.3745, 0.4092,  
0.3383


 30.3745, 0.4092,  
0.3383


 25.3718, 0.4470,  
0.3404


 36.3974, 0.3774,  
0.3359


 21.3285, 0.4900,  
0.3418

 43.4880, 0.3512,  
0.3335


 18.1845, 0.5356,  
0.3421


 51.6961, 0.3299,  
0.3312


 15.8708, 0.5788,  
0.3409


 61.0671, 0.3127,  
0.3290

 14.3085, 0.6129,  
0.3379

 71.6440, 0.2987,  
0.3270

 13.3971, 0.6342,  
0.3346

 83.4673, 0.2873,  
0.3252

 13.3970, 0.6342,  
0.3346

 91.7225, 0.2833,  
0.3289

# Harmonies

## Analogous

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



30.3745, 0.3739, 0.2987



30.3745, 0.4092, 0.3383



30.3745, 0.4154, 0.3789

# Triad

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



30.3745, 0.4092, 0.3383



30.3745, 0.2969, 0.4048



30.3745, 0.2355, 0.2484

# Complementary

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



30.3745, 0.4092, 0.3383



49.0322, 0.2565, 0.3192

# 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.



30.3745, 0.2191, 0.2679



30.3745, 0.4092, 0.3383



30.3745, 0.2521, 0.3592

# Square

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



30.3745, 0.4092, 0.3383



30.3745, 0.3482, 0.4237



30.3745, 0.2247, 0.3073



30.3745, 0.2718, 0.2489



# Rectangle

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



30.3745, 0.4092, 0.3383



30.3745, 0.4027, 0.4022



30.3745, 0.2247, 0.3073



30.3745, 0.2277, 0.2526

# Sweetspot

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



30.3760, 0.4092, 0.3383



81.6029, 0.3342, 0.3317



31.2388, 0.3242, 0.2384



17.0743, 0.3368, 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.



30.3760, 0.4092, 0.3383



42.5899, 0.4414, 0.3401



43.4839, 0.3878, 0.3895



11.3644, 0.3288, 0.3310



8.3966, 0.6329, 0.3357



0.4874, 0.6111, 0.3530



# Inverse Universe

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



49.0322, 0.2565, 0.3192



77.2319, 0.2469, 0.3168



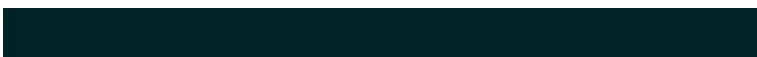
32.7984, 0.2472, 0.2592



12.5575, 0.2984, 0.3270



25.0886, 0.2173, 0.3024

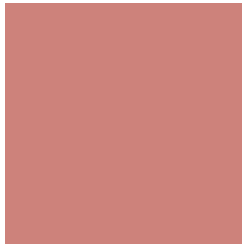


1.3435, 0.2189, 0.3080



# Previews

## White Background



This preview shows how the Yxy color 30.3745, 0.4092, 0.3383 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

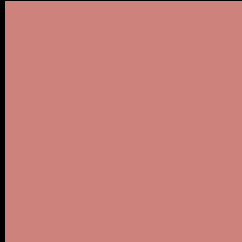
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 30.3745, 0.4092, 0.3383 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 30.3745, 0.4092, 0.3383**

## Background



This preview shows how black text looks on a background with the Yxy color 30.3745, 0.4092, 0.3383.



This preview shows how white text looks on a background with the Yxy color 30.3745, 0.4092, 0.3383.

# 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

30.3745, 0.4092, 0.3383

### Protanopia

30.6742, 0.3366, 0.3554

### Deuteranopia

30.4165, 0.3719, 0.3644



## Tritanopia

30.3663, 0.3942, 0.3177

# Trichromacy



## Original Color

30.3745, 0.4092, 0.3383

## Protanomaly

30.2286, 0.3615, 0.3498

## Deuteranomaly

30.2848, 0.3856, 0.3546

## Tritanomaly

30.4883, 0.3999, 0.3254

# Monochromacy



## Original Color

30.3745, 0.4092, 0.3383

## Achromatopsia

31.3989, 0.3127, 0.3290

## Achromatomaly

30.5275, 0.3450, 0.3335

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.3745, 0.4092, 0.3383 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(205, 130, 123)` looks like.

```
.text, #text, p{  
  color:rgb(205, 130, 123)  
}
```

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(205, 130, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 130, 123) }
```

## Border

The CSS property to change the border of an element to Yxy 30.3745, 0.4092, 0.3383 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(205, 130, 123) }
```

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

```
.border{ border-color:rgb(205, 130, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 130, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 130, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 130, 123);  
box-shadow:4px 4px 4px 4px rgb(205, 130,  
123) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.3745, 0.4092, 0.3383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 130, 123) }
```

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

```
.background{ background-color: rgb(205,  
130, 123) }
```

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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