

# Converting Colors

$Y_{xy}(37.8573, 0.4076, 0.3672)$

Have a look what the booklet for  
Yxy(37.8573, 0.4076, 0.3672)  
contains.

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# Color

**Yxy(37.9831, 0.4077, 0.3677)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D59879
RGB	213, 152, 121
RGB Percent	84%, 60%, 47%
CMY	0.1648, 0.4039, 0.5255
CMYK	0.00, 0.29, 0.43, 0.16
HSL	20°, 52%, 65%
HSV	20°, 43%, 84%
XYZ	42.1151, 37.9831, 23.2010
YIQ	166.7050, 46.3070, 3.2910

# Conversions

## Conversions Part 2

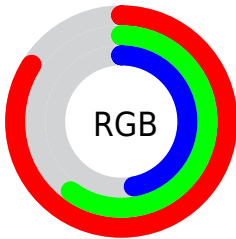
Format	Color
R <sub>YB</sub>	213, 168, 121
Decimal	13998201
CIE Lab	68.01, 19.08, 25.38
CIE LCh	68, 31.756, 53.068
Yxy	37.9831, 0.4077, 0.3677
Android (android.graphics.Color)	4292188281 (0xFFD59879)
YUV	166.7050, -22.5326, 40.6007
Hunter-Lab	61.6304, 14.1245, 20.8214

# Details

The Yxy color **37.9831, 0.4077, 0.3677** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **42.3084, 0.2472, 0.2857**, and the grayscale version is **38.5881, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.4586, 0.3755, 0.3624**, and **16.8432, 0.4367, 0.3766** is the 20% darker color. If you saturate the color by 10%, you get **33.2054, 0.4391, 0.3759**, and if you desaturate by 10%, it is **43.4252, 0.3799, 0.3586**.

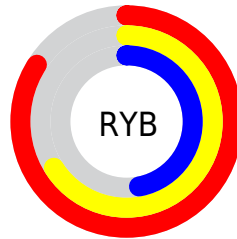
# Distribution



Red (84%)

Green (60%)

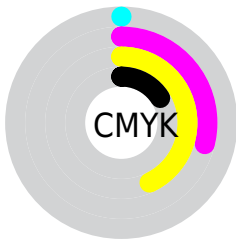
Blue (47%)



Red (84%)

Yellow (66%)

Blue (47%)

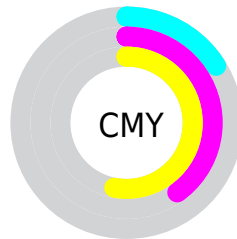


Cyan (0%)

Magenta (29%)

Yellow (43%)

Black (16%)



Cyan (16%)

Magenta (40%)


Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.9831, 0.4077, 0.3677 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 37.9831, 0.4077, 0.3677 by changing the saturation by 10% instead.





 37.9831, 0.4077,  
0.3677

 37.9831, 0.4077,  
0.3677


337.5475, 0.3583,  
0.3496

 25.9696, 0.4204,  
0.3716


 72.0822, 0.3894,  
0.3615

 16.8009, 0.4369,  
0.3761


 94.9366, 0.3826,  
0.3591

 10.0926, 0.4590,  
0.3813


 122.1734, 0.3770,  
0.3570

 5.4604, 0.4896,  
0.3864

154.1771, 0.3721,  
0.3551

 2.5199, 0.5425,  
0.3954

191.3319, 0.3680,  
0.3535

 0.8865, 0.6123,  
0.3877

234.0223, 0.3643,

 0.0000, 1.0000,

0.3521

0.0000

282.6327, 0.3612,  
0.3508

0.0000, 0.0000,  
0.0000

37.9831, 0.4077,  
0.3677

37.9831, 0.4077,  
0.3677

33.2054, 0.4391,  
0.3759

43.4252, 0.3799,  
0.3586

29.0599, 0.4734,  
0.3821

49.5513, 0.3558,  
0.3493

25.5196, 0.5088,  
0.3851


56.3869, 0.3352,  
0.3402

22.5532, 0.5426,  
0.3837


63.9545, 0.3177,  
0.3316

20.1257, 0.5718,  
0.3774

72.2756, 0.3029,  
0.3236

 18.7538, 0.5884,  
0.3710

 81.3707, 0.2903,  
0.3163

 90.2496, 0.2875,  
0.3246

 92.8827, 0.2877,  
0.3289

# Harmonies

## Analogous

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



37.9831, 0.3957, 0.3299



37.9831, 0.4077, 0.3677



37.9831, 0.3920, 0.3996

# Triad

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



37.9831, 0.4077, 0.3677



37.9831, 0.2651, 0.3666



37.9831, 0.2669, 0.2537

# Complementary

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



37.9831, 0.4077, 0.3677



42.3084, 0.2472, 0.2857

# 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.



37.9831, 0.2369, 0.2573



37.9831, 0.4077, 0.3677



37.9831, 0.2357, 0.3192

# Square

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



37.9831, 0.4077, 0.3677



37.9831, 0.3085, 0.4037



37.9831, 0.2260, 0.2797



37.9831, 0.3112, 0.2672



# Rectangle

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



37.9831, 0.4077, 0.3677



37.9831, 0.3691, 0.4124



37.9831, 0.2260, 0.2797



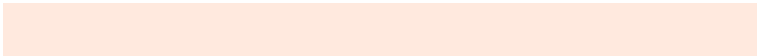
37.9831, 0.2550, 0.2529

# Sweetspot

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



37.9849, 0.4077, 0.3677



84.8198, 0.3351, 0.3402



31.2084, 0.3499, 0.2555



17.6441, 0.3394, 0.3422



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.



37.9849, 0.4077, 0.3677



50.3542, 0.4370, 0.3754



55.7505, 0.3837, 0.4195



13.0984, 0.3283, 0.3369



11.6282, 0.5858, 0.3731



0.8521, 0.5521, 0.3999

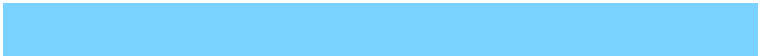


# Inverse Universe

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



42.3084, 0.2472, 0.2857



57.6216, 0.2345, 0.2744



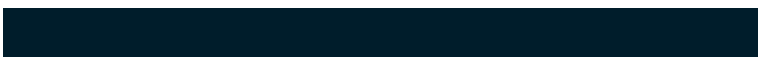
26.5696, 0.2359, 0.2180



13.3696, 0.2982, 0.3210



14.7980, 0.1932, 0.2155



1.0427, 0.1993, 0.2374



# Previews

## White Background



This preview shows how the Yxy color 37.9831, 0.4077, 0.3677 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

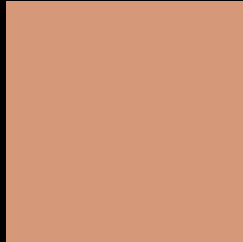
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 37.9831, 0.4077, 0.3677 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

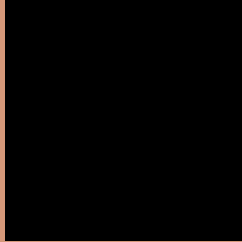
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 37.9831, 0.4077, 0.3677**

## Background



This preview shows how black text looks on a background with the Yxy color 37.9831, 0.4077, 0.3677.



This preview shows how white text looks on a background with the Yxy color 37.9831, 0.4077, 0.3677.

# 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

37.9831, 0.4077, 0.3677

### Protanopia

38.1519, 0.3584, 0.3841

### Deuteranopia

38.0227, 0.3885, 0.3806



## Tritanopia

37.9350, 0.3739, 0.3157

# Trichromacy



## Original Color

37.9831, 0.4077, 0.3677

## Protanomaly

37.9176, 0.3756, 0.3779

## Deuteranomaly

37.8295, 0.3963, 0.3756

## Tritanomaly

37.9863, 0.3860, 0.3342

# Monochromacy



## Original Color

37.9831, 0.4077, 0.3677

## Achromatopsia

38.6429, 0.3127, 0.3290

## Achromatomaly

38.2330, 0.3452, 0.3455

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.9831, 0.4077, 0.3677 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, 152, 121)` looks like.

```
.text, #text, p{  
    color:rgb(213, 152, 121)  
}
```

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, 152, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 152, 121) }
```

## Border

The CSS property to change the border of an element to Yxy 37.9831, 0.4077, 0.3677 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, 152, 121) }
```

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

```
.border{ border-color:rgb(213, 152, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 152, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 152, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 152, 121);  
box-shadow:4px 4px 4px 4px rgb(213, 152,  
121) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.9831, 0.4077, 0.3677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 152, 121) }
```

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

```
.background{ background-color: rgb(213,  
152, 121) }
```

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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