

# Converting Colors

$Y_{xy}(37.9023, 0.4229, 0.3838)$

Have a look what the booklet for  
Yxy(37.9023, 0.4229, 0.3838)  
contains.

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# Color

**Yxy(37.8142, 0.4227, 0.3841)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6986B
RGB	214, 152, 107
RGB Percent	84%, 60%, 42%
CMY	0.1608, 0.4039, 0.5803
CMYK	0.00, 0.29, 0.50, 0.16
HSL	25°, 57%, 63%
HSV	25°, 50%, 84%
XYZ	41.6143, 37.8142, 19.0203
YIQ	165.4080, 51.3970, -0.8510

# Conversions

## Conversions Part 2

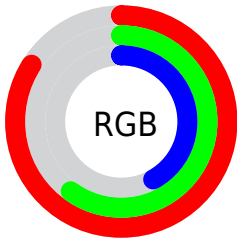
Format	Color
R <sub>Y</sub> B	214, 185, 107
Decimal	14063723
CIE Lab	67.88, 18.10, 32.82
CIE LCh	68, 37.485, 61.124
Yxy	37.8142, 0.4227, 0.3841
Android (android.graphics.Color)	4292253803 (0xFFD6986B)
YUV	165.4080, -28.7951, 42.6152
Hunter-Lab	61.4933, 13.1831, 24.7064

# Details

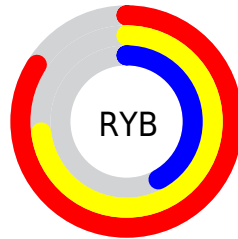
The Yxy color **37.8142, 0.4227, 0.3841** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **36.3630, 0.2353, 0.2641**, and the grayscale version is **37.9574, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9058, 0.3871, 0.3778**, and **16.6910, 0.4539, 0.3956** is the 20% darker color. If you saturate the color by 10%, you get **33.6024, 0.4529, 0.3931**, and if you desaturate by 10%, it is **42.5621, 0.3949, 0.3734**.

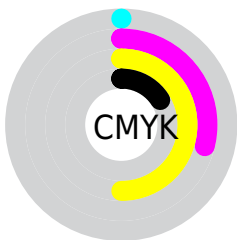
# Distribution



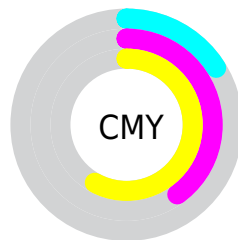
- Red (84%)
- Green (60%)
- Blue (42%)



- Red (84%)
- Yellow (73%)
- Blue (42%)



- Cyan (0%)
- Magenta (29%)
- Yellow (50%)
- Black (16%)




- Cyan (16%)
- Magenta (40%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.8142, 0.4227, 0.3841 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 37.8142, 0.4227, 0.3841 by changing the saturation by 10% instead.





 37.8142, 0.4227,  
0.3841


 37.8142, 0.4227,  
0.3841


336.8223, 0.3660,  
0.3584

 25.8385, 0.4370,  
0.3895


 71.8233, 0.4019,  
0.3754

 16.7029, 0.4553,  
0.3957


 94.6254, 0.3941,  
0.3720

 10.0229, 0.4791,  
0.4024


 121.8052, 0.3876,  
0.3689

 5.4141, 0.5108,  
0.4085

 153.7470, 0.3820,  
0.3663

 2.4922, 0.5744,  
0.4256

190.8352, 0.3771,  
0.3640

 0.8727, 0.6071,  
0.3929

233.4543, 0.3729,

 0.0000, 1.0000,

0.3619

0.0000

281.9885, 0.3692,  
0.3601

0.0000, 0.0000,  
0.0000

37.8142, 0.4227,  
0.3841

37.8142, 0.4227,  
0.3841

33.6024, 0.4529,  
0.3931

42.5621, 0.3949,  
0.3734

29.8999, 0.4842,  
0.3991

47.8604, 0.3699,  
0.3620

26.6854, 0.5148,  
0.4009

53.7296, 0.3480,  
0.3506

23.9334, 0.5423,  
0.3974


60.1873, 0.3291,  
0.3395

21.6083, 0.5654,  
0.3892

67.2506, 0.3127,  
0.3290

 21.6063, 0.5654,  
0.3892

 74.9354, 0.2986,  
0.3193

 83.1395, 0.2876,  
0.3121

 90.6442, 0.2881,  
0.3251

 93.0360, 0.2883,  
0.3289

# Harmonies

## Analogous

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



37.8142, 0.4181, 0.3408



37.8142, 0.4227, 0.3841



37.8142, 0.3957, 0.4189

# Triad

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



37.8142, 0.4227, 0.3841



37.8142, 0.2453, 0.3584



37.8142, 0.2713, 0.2440

# Complementary

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



37.8142, 0.4227, 0.3841



36.3630, 0.2353, 0.2641

# 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.



37.8142, 0.2316, 0.2421



37.8142, 0.4227, 0.3841



37.8142, 0.2175, 0.3024

# Square

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



37.8142, 0.4227, 0.3841



37.8142, 0.2924, 0.4093



37.8142, 0.2130, 0.2614



37.8142, 0.3259, 0.2642



# Rectangle

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



37.8142, 0.4227, 0.3841



37.8142, 0.3651, 0.4306



37.8142, 0.2130, 0.2614



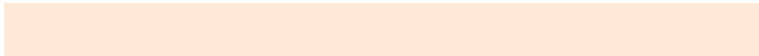
37.8142, 0.2559, 0.2412

# Sweetspot

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



37.8161, 0.4227, 0.3841



84.4408, 0.3385, 0.3451



27.6960, 0.3692, 0.2544



17.6411, 0.3426, 0.3475



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.



37.8161, 0.4227, 0.3841



49.6146, 0.4548, 0.3935



59.0610, 0.3902, 0.4412



13.2704, 0.3281, 0.3388



13.2556, 0.5629, 0.3913



0.9613, 0.5322, 0.4156



# Inverse Universe

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



36.3630, 0.2353, 0.2641



47.1594, 0.2207, 0.2472



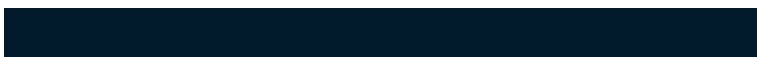
20.4576, 0.2198, 0.1840



13.1920, 0.2982, 0.3190



11.8595, 0.1850, 0.1859

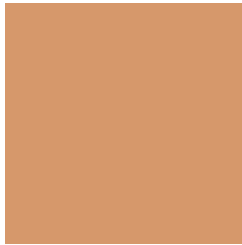


0.8774, 0.1925, 0.2131



# Previews

## White Background



This preview shows how the Yxy color 37.8142, 0.4227, 0.3841 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 37.8142, 0.4227, 0.3841 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

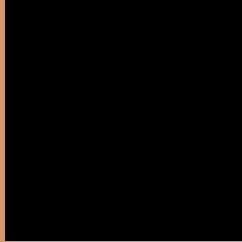
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 37.8142, 0.4227, 0.3841**

## **Background**



This preview shows how black text looks on a background with the Yxy color 37.8142, 0.4227, 0.3841.



This preview shows how white text looks on a background with the Yxy color 37.8142, 0.4227, 0.3841.

# 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

37.8142, 0.4227, 0.3841

### Protanopia

38.0484, 0.3731, 0.4032

### Deuteranopia

37.7737, 0.4055, 0.3963



## Tritanopia

37.8975, 0.3773, 0.3158

# Trichromacy



## Original Color

37.8142, 0.4227, 0.3841

## Protanomaly

37.8439, 0.3908, 0.3960

## Deuteranomaly

37.7967, 0.4119, 0.3925

## Tritanomaly

37.7956, 0.3949, 0.3403

# Monochromacy



## Original Color

37.8142, 0.4227, 0.3841

## Achromatopsia

37.6262, 0.3127, 0.3290

## Achromatomaly

37.2225, 0.3504, 0.3513

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  37.8142, 0.4227, 0.3841 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(214, 152, 107)` looks like.

```
.text, #text, p{  
    color:rgb(214, 152, 107)  
}
```

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(214, 152, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 152, 107) }
```

## Border

The CSS property to change the border of an element to Yxy 37.8142, 0.4227, 0.3841 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(214, 152, 107) }
```

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

```
.border{ border-color:rgb(214, 152, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 152, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 152, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 152, 107);  
box-shadow:4px 4px 4px 4px rgb(214, 152,  
107) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.8142, 0.4227, 0.3841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 152, 107) }
```

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

```
.background{ background-color: rgb(214,  
152, 107) }
```

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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