

# Converting Colors

$Yxy(37.8091, 0.4178, 0.3713)$

Have a look what the booklet for  
Yxy(37.8091, 0.4178, 0.3713)  
contains.

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# Color

**Yxy(37.8254, 0.4181, 0.3706)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D99674
RGB	217, 150, 116
RGB Percent	85%, 59%, 45%
CMY	0.1490, 0.4117, 0.5452
CMYK	0.00, 0.31, 0.47, 0.15
HSL	20°, 57%, 65%
HSV	20°, 47%, 85%
XYZ	42.6735, 37.8254, 21.5664
YIQ	166.1570, 50.8460, 3.6300

# Conversions

## Conversions Part 2

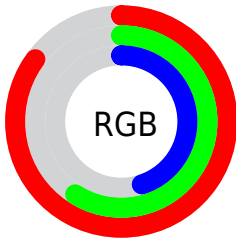
Format	Color
R <sub>Y</sub> B	217, 167, 116
Decimal	14259828
CIE Lab	67.89, 21.26, 28.06
CIE LCh	68, 35.203, 52.847
Yxy	37.8254, 0.4181, 0.3706
Android (android.graphics.Color)	4292449908 (0xFFD99674)
YUV	166.1570, -24.7274, 44.5893
Hunter-Lab	61.5024, 16.2234, 22.2610

# Details

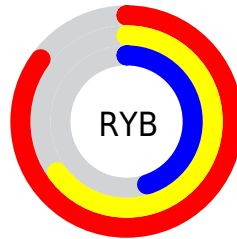
The Yxy color **37.8254, 0.4181, 0.3706** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **42.5759, 0.2425, 0.2817**, and the grayscale version is **38.3168, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.2729, 0.3809, 0.3666**, and **16.6999, 0.4498, 0.3799** is the 20% darker color. If you saturate the color by 10%, you get **33.0656, 0.4507, 0.3782**, and if you desaturate by 10%, it is **43.2709, 0.3890, 0.3617**.

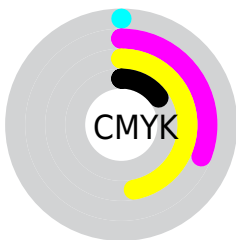
# Distribution



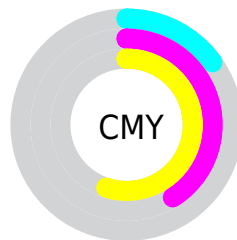
- Red (85%)
- Green (59%)
- Blue (45%)



- Red (85%)
- Yellow (65%)
- Blue (45%)



- Cyan (0%)
- Magenta (31%)
- Yellow (47%)
- Black (15%)




- Cyan (15%)
- Magenta (41%)
- Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.8254, 0.4181, 0.3706 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 37.8254, 0.4181, 0.3706 by changing the saturation by 10% instead.





 37.8254, 0.4181,  
0.3706


 37.8254, 0.4181,  
0.3706


336.8704, 0.3634,  
0.3516


 25.8472, 0.4321,  
0.3745


 71.8404, 0.3979,  
0.3642

 16.7094, 0.4502,  
0.3790


 94.6461, 0.3904,  
0.3617

 10.0275, 0.4742,  
0.3837


 121.8297, 0.3841,  
0.3594

 5.4172, 0.5072,  
0.3877

153.7756, 0.3787,  
0.3575

 2.4941, 0.5699,  
0.3989

190.8682, 0.3741,  
0.3557

 0.8737, 0.6253,  
0.3747

233.4919, 0.3700,

 0.0000, 1.0000,

0.3542

0.0000


282.0312, 0.3665,  
0.3528

 0.0000, 0.0000,  
0.0000


 37.8254, 0.4181,  
0.3706

 37.8254, 0.4181,  
0.3706


 33.0656, 0.4507,  
0.3782

 43.2709, 0.3890,  
0.3617


 28.9572, 0.4856,  
0.3835


 49.4233, 0.3636,  
0.3524

 25.4712, 0.5209,  
0.3851


 56.3099, 0.3418,  
0.3432

 22.5734, 0.5535,  
0.3820

 63.9546, 0.3233,  
0.3345

 20.2251, 0.5804,  
0.3740

 72.3802, 0.3076,  
0.3262

 19.5304, 0.5887,  
0.3708

 81.6087, 0.2943,  
0.3187

 90.8036, 0.2898,  
0.3246

 93.4922, 0.2900,  
0.3289

# Harmonies

## Analogous

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



37.8254, 0.4048, 0.3291



37.8254, 0.4181, 0.3706



37.8254, 0.4005, 0.4064

# Triad

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



37.8254, 0.4181, 0.3706



37.8254, 0.2602, 0.3713



37.8254, 0.2616, 0.2463

# Complementary

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



37.8254, 0.4181, 0.3706



42.5759, 0.2425, 0.2817

# 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.



37.8254, 0.2291, 0.2500



37.8254, 0.4181, 0.3706



37.8254, 0.2280, 0.3180

# Square

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



37.8254, 0.4181, 0.3706



37.8254, 0.3080, 0.4129



37.8254, 0.2174, 0.2743



37.8254, 0.3103, 0.2609



# Rectangle

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



37.8254, 0.4181, 0.3706



37.8254, 0.3751, 0.4214



37.8254, 0.2174, 0.2743



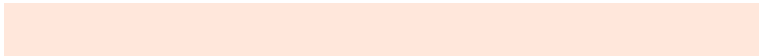
37.8254, 0.2487, 0.2453

# Sweetspot

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



37.8273, 0.4181, 0.3706



83.7247, 0.3370, 0.3411



30.6694, 0.3540, 0.2499



17.4260, 0.3413, 0.3430



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.



37.8273, 0.4181, 0.3706



47.6813, 0.4505, 0.3782



57.3976, 0.3895, 0.4262



13.7648, 0.3283, 0.3369



11.9977, 0.5860, 0.3729



0.9334, 0.5543, 0.3981

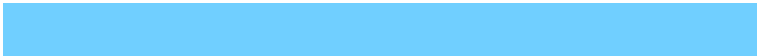


# Inverse Universe

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



42.5759, 0.2425, 0.2817



55.2534, 0.2294, 0.2694



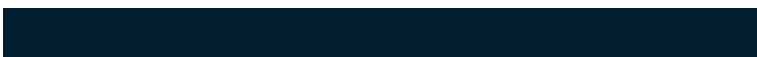
25.4447, 0.2291, 0.2075



14.0522, 0.2982, 0.3209



15.2915, 0.1932, 0.2155



1.1474, 0.1989, 0.2361



# Previews

## White Background



This preview shows how the Yxy color 37.8254, 0.4181, 0.3706 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 37.8254, 0.4181, 0.3706 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 37.8254, 0.4181, 0.3706**

## **Background**



This preview shows how black text looks on a background with the Yxy color 37.8254, 0.4181, 0.3706.



This preview shows how white text looks on a background with the Yxy color 37.8254, 0.4181, 0.3706.

# 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

37.8254, 0.4181, 0.3706

### Protanopia

38.1675, 0.3631, 0.3896

### Deuteranopia

38.0169, 0.3953, 0.3881



## Tritanopia

37.8667, 0.3808, 0.3159

# Trichromacy



**Original Color**

37.8254, 0.4181, 0.3706

**Protanomaly**

37.7041, 0.3829, 0.3829

**Deuteranomaly**

37.9939, 0.4033, 0.3815

**Tritanomaly**

37.8506, 0.3953, 0.3365

# Monochromacy



**Original Color**

37.8254, 0.4181, 0.3706

**Achromatopsia**

38.1326, 0.3127, 0.3290

**Achromatomaly**

37.5940, 0.3486, 0.3456

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.8254, 0.4181, 0.3706 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, 150, 116)` looks like.

```
.text, #text, p{  
    color:rgb(217, 150, 116)  
}
```

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, 150, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 150, 116) }
```

## Border

The CSS property to change the border of an element to Yxy 37.8254, 0.4181, 0.3706 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, 150, 116) }
```

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

```
.border{ border-color:rgb(217, 150, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 150, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 150, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 150, 116);  
box-shadow:4px 4px 4px 4px rgb(217, 150,  
116) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.8254, 0.4181, 0.3706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 150, 116) }
```

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

```
.background{ background-color: rgb(217,  
150, 116) }
```

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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