

Converting Colors

$Y_{xy}(37.7285, 0.4242, 0.3895)$

Have a look what the booklet for
Yxy(37.7285, 0.4242, 0.3895)
contains.

Yxy(37.7588, 0.4239, 0.3904) 3

***Conversions* 4**

***Details* 6**

***Harmonies* 12**

***Previews* 24**

***Color Blindness Simulation* 27**

***CSS Examples* 30**

Color

Yxy(37.7588, 0.4239, 0.3904)

Conversions

Conversions Part 1	
Format	Color
Hex	D49967
RGB	212, 153, 103
RGB Percent	83%, 60%, 40%
CMY	0.1685, 0.4000, 0.5961
CMYK	0.00, 0.28, 0.51, 0.17
HSL	28°, 56%, 62%
HSV	28°, 51%, 83%
XYZ	40.9989, 37.7588, 17.9606
YIQ	164.9410, 51.2140, -3.0420

Conversions

Conversions Part 2

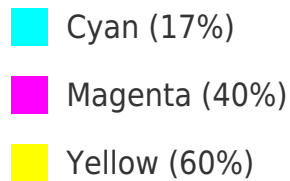
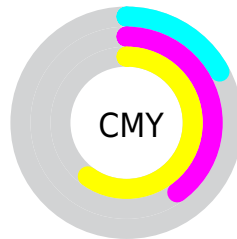
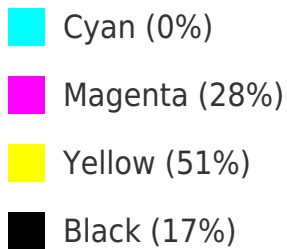
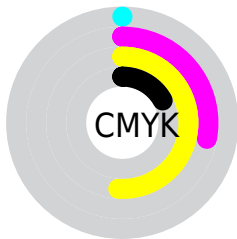
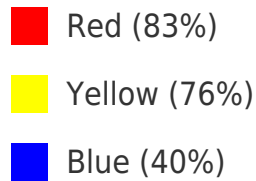
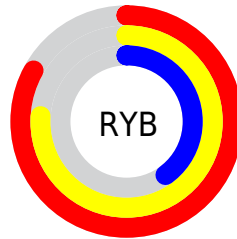
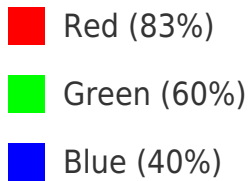
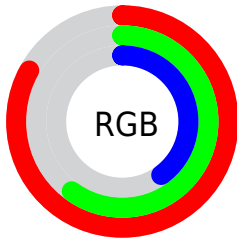
Format	Color
RYB	212, 195, 103
Decimal	13932903
CIELab	67.84, 16.40, 34.87
CIELCh	68, 38.533, 64.815
Yxy	37.7588, 0.4239, 0.3904
Android (android.graphics.Color)	4292122983 (0xFFD49967)
YUV	164.9410, -30.5369, 41.2707
Hunter-Lab	61.4482, 11.5627, 25.6840

Details

The Yxy color $37.7588, 0.4239, 0.3904$ is a light color, and the websafe version is hex `CC9966`. A complement of this color would be $33.4990, 0.2320, 0.2556$, and the grayscale version is $37.7297, 0.3127, 0.3290$.

A 20% lighter version of the original color is $68.2522, 0.3897, 0.3829$, and $16.7471, 0.4562, 0.4030$ is the 20% darker color. If you saturate the color by 10%, you get $33.8078, 0.4528, 0.3999$, and if you desaturate by 10%, it is $42.1832, 0.3969, 0.3790$.


Distribution



Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7588, 0.4239, 0.3904 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 37.7588, 0.4239, 0.3904 by changing the saturation by 10% instead.


 37.7588, 0.4239,
0.3904


 37.7588, 0.4239,
0.3904


336.5842, 0.3667,
0.3616

 25.7955, 0.4382,
0.3965


 71.7383, 0.4030,
0.3806

 16.6707, 0.4563,
0.4036


 94.5233, 0.3952,
0.3767

 10.0000, 0.4797,
0.4113


 121.6844, 0.3886,
0.3733

 5.3990, 0.5104,
0.4184

 153.6059, 0.3829,
0.3704

 2.4832, 0.5668,
0.4332

190.6722, 0.3780,
0.3678

 0.8682, 0.5971,
0.4029


233.2678, 0.3738,


 0.0000, 1.0000,


0.3655

0.0000


281.7770, 0.3701,
0.3634

 0.0000, 0.0000,
0.0000


 37.7588, 0.4239,
0.3904

 37.7588, 0.4239,
0.3904


 33.8078, 0.4528,
0.3999


 42.1832, 0.3969,
0.3790

 30.3062, 0.4823,
0.4063


 47.0928, 0.3723,
0.3667

 27.2357, 0.5107,
0.4082


 52.5055, 0.3505,
0.3542


 24.5737, 0.5358,
0.4047


 58.4366, 0.3315,
0.3421

 22.5894, 0.5543,
0.3981

 64.9008, 0.3149,
0.3306

 71.9119, 0.3005,
0.3198

 79.4835, 0.2881,
0.3099

 86.4398, 0.2867,
0.3184

 92.7425, 0.2872,
0.3289

Harmonies

Analogous

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



37.7588, 0.4236, 0.3465



37.7588, 0.4239, 0.3904



37.7588, 0.3926, 0.4244

Triad

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



37.7588, 0.4239, 0.3904



37.7588, 0.2388, 0.3518



37.7588, 0.2764, 0.2435

Complementary

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



37.7588, 0.4239, 0.3904



33.4990, 0.2320, 0.2556

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.



37.7588, 0.2333, 0.2390



37.7588, 0.4239, 0.3904



37.7588, 0.2132, 0.2952

Square

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



37.7588, 0.4239, 0.3904



37.7588, 0.2850, 0.4065



37.7588, 0.2115, 0.2558



37.7588, 0.3336, 0.2662

Rectangle

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



37.7588, 0.4239, 0.3904



37.7588, 0.3598, 0.4343



37.7588, 0.2115, 0.2558



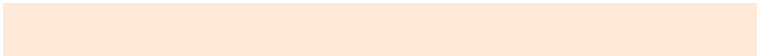
37.7588, 0.2599, 0.2398

Sweetspot

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



37.7606, 0.4239, 0.3904



85.2647, 0.3383, 0.3465



26.3476, 0.3762, 0.2567



17.8388, 0.3423, 0.3491



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.



37.7606, 0.4239, 0.3904



50.6377, 0.4564, 0.4009



59.4066, 0.3902, 0.4473



13.3494, 0.3280, 0.3397



14.1358, 0.5520, 0.3999



1.0170, 0.5233, 0.4227

Inverse Universe

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



33.4990, 0.2320, 0.2556



43.4263, 0.2162, 0.2359



18.4613, 0.2159, 0.1741



13.1118, 0.2982, 0.3180



10.6806, 0.1813, 0.1728



0.8089, 0.1895, 0.2021

Previews

White Background



This preview shows how the Yxy color 37.7588, 0.4239, 0.3904 looks on a white background.

Color Contrast Check

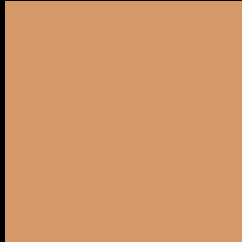
Large Text (above 18pt) WCAG AA × Fail

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 37.7588, 0.4239, 0.3904 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

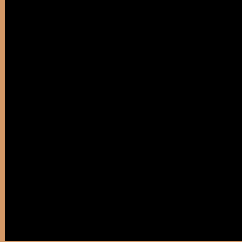
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.7588, 0.4239, 0.3904

Background



This preview shows how black text looks on a background with the Yxy color 37.7588, 0.4239, 0.3904.



This preview shows how white text looks on a background with the Yxy color 37.7588, 0.4239, 0.3904.

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

37.7588, 0.4239, 0.3904

Protanopia

38.0584, 0.3785, 0.4097

Deuteranopia

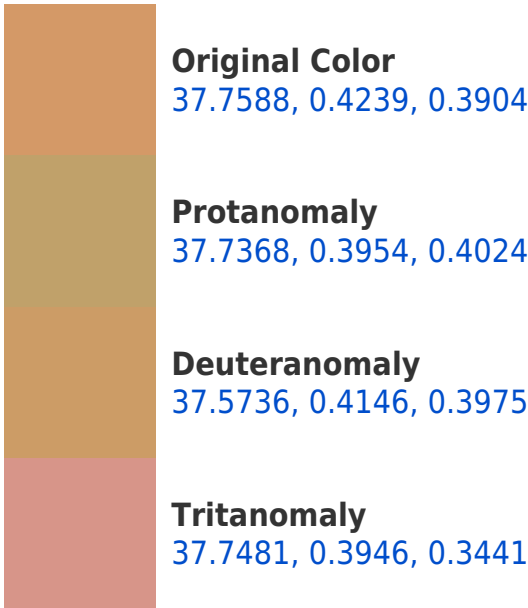
37.6924, 0.4092, 0.4012



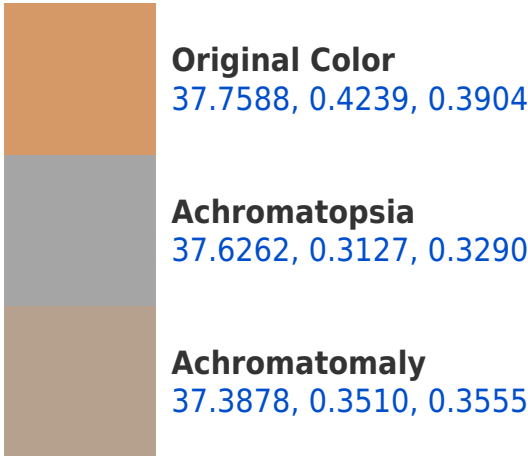
Tritanopia

37.7438, 0.3763, 0.3158

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7588, 0.4239, 0.3904 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(212, 153, 103) looks like.

```
.text, #text, p{  
    color:rgb(212, 153, 103)  
}
```

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(212, 153, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 153, 103) }
```

Border

The CSS property to change the border of an element to Yxy 37.7588, 0.4239, 0.3904 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(212, 153, 103) }
```

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

```
.border{ border-color:rgb(212, 153, 103) }
```

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

Here you see how a box with a 4 pixel rgb(212, 153, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 153, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 153, 103);  
box-shadow:4px 4px 4px 4px rgb(212, 153,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7588, 0.4239, 0.3904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 153, 103) }
```

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

```
.background{ background-color: rgb(212,  
153, 103) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor