

Converting Colors

$Y_{xy}(37.6442, 0.4452, 0.3885)$

Have a look what the booklet for
Yxy(37.6442, 0.4452, 0.3885)
contains.

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Color

Yxy(37.7123, 0.4450, 0.3891)

Conversions

Conversions Part 1

Format	Color
Hex	DF9460
RGB	223, 148, 96
RGB Percent	87%, 58%, 38%
CMY	0.1256, 0.4196, 0.6234
CMYK	0.00, 0.34, 0.57, 0.13
HSL	25°, 66%, 63%
HSV	25°, 57%, 87%
XYZ	43.1302, 37.7123, 16.0793
YIQ	164.4970, 61.3920, -0.2720

Conversions

Conversions Part 2

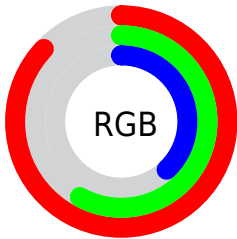
Format	Color
RYB	223, 184, 96
Decimal	14652512
CIELab	67.81, 22.98, 38.78
CIElCh	68, 45.081, 59.349
Yxy	37.7123, 0.4450, 0.3891
Android (android.graphics.Color)	4292842592 (0xFFDF9460)
YUV	164.4970, -33.7690, 51.3071
Hunter-Lab	61.4103, 17.8975, 27.4631

Details

The Yxy color **37.7123, 0.4450, 0.3891** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **36.9423, 0.2258, 0.2550**, and the grayscale version is **37.5183, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.6392, 0.3972, 0.3851**, and **16.6553, 0.4822, 0.3992** is the 20% darker color. If you saturate the color by 10%, you get **33.4607, 0.4767, 0.3959**, and if you desaturate by 10%, it is **42.5542, 0.4149, 0.3798**.

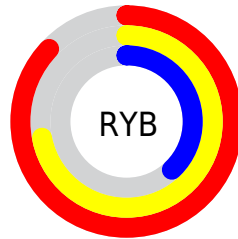
Distribution



Red (87%)

Green (58%)

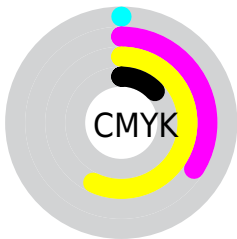
Blue (38%)



Red (87%)

Yellow (72%)

Blue (38%)

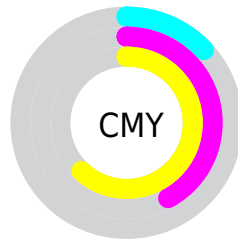


Cyan (0%)

Magenta (34%)

Yellow (57%)

Black (13%)



Cyan (13%)


Magenta (42%)

Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7123, 0.4450, 0.3891 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 37.7123, 0.4450, 0.3891 by changing the saturation by 10% instead.


 37.7123, 0.4450,
0.3891


 37.7123, 0.4450,
0.3891


336.3842, 0.3772,
0.3624

 25.7595, 0.4617,
0.3941


 71.6670, 0.4203,
0.3805

 16.6438, 0.4828,
0.3992


 94.4376, 0.4110,
0.3770

 9.9808, 0.5096,
0.4038


 121.5829, 0.4032,
0.3738

 5.3863, 0.5452,
0.4064

 153.4874, 0.3965,
0.3710

 2.4756, 0.5959,
0.4041

190.5353, 0.3907,
0.3685

 0.8644, 0.6354,
0.3646

233.1112, 0.3856,

 0.0000, 1.0000,

0.3663

0.0000

281.5993, 0.3811,
0.3642

0.0000, 0.0000,
0.0000

37.7123, 0.4450,
0.3891

37.7123, 0.4450,
0.3891

33.4607, 0.4767,
0.3959

42.5542, 0.4149,
0.3798

29.7679, 0.5084,
0.3988

48.0045, 0.3875,
0.3690

26.6073, 0.5377,
0.3967

54.0876, 0.3633,
0.3578

23.9461, 0.5621,
0.3892

60.8245, 0.3421,
0.3467

23.2193, 0.5690,
0.3864

68.2352, 0.3238,
0.3360

■ 76.3388, 0.3082,
0.3260

■ 85.1536, 0.2947,
0.3167

■ 93.3826, 0.2934,
0.3273

■ 94.4255, 0.2935,
0.3289

Harmonies

Analogous

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



37.7123, 0.4381, 0.3381



37.7123, 0.4450, 0.3891



37.7123, 0.4134, 0.4331

Triad

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



37.7123, 0.4450, 0.3891



37.7123, 0.2347, 0.3684



37.7123, 0.2595, 0.2285

Complementary

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



37.7123, 0.4450, 0.3891



36.9423, 0.2258, 0.2550

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.



37.7123, 0.2148, 0.2270



37.7123, 0.4450, 0.3891



37.7123, 0.2014, 0.2993

Square

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



37.7123, 0.4450, 0.3891



37.7123, 0.2909, 0.4304



37.7123, 0.1950, 0.2499



37.7123, 0.3238, 0.2509

Rectangle

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



37.7123, 0.4450, 0.3891



37.7123, 0.3772, 0.4505



37.7123, 0.1950, 0.2499



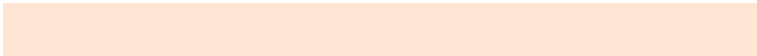
37.7123, 0.2420, 0.2255

Sweetspot

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



37.7142, 0.4450, 0.3891



82.2559, 0.3425, 0.3469



27.0432, 0.3782, 0.2431



17.1957, 0.3465, 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.



37.7142, 0.4450, 0.3891



44.5145, 0.4818, 0.3966



62.7666, 0.4013, 0.4526



14.6176, 0.3282, 0.3386



13.8646, 0.5664, 0.3885



1.1340, 0.5386, 0.4106

Inverse Universe

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



36.9423, 0.2258, 0.2550



43.2774, 0.2113, 0.2367



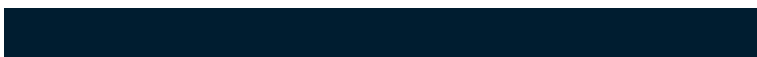
18.6943, 0.2061, 0.1633



14.5820, 0.2981, 0.3192



13.0145, 0.1860, 0.1895



1.0770, 0.1926, 0.2132

Previews

White Background



This preview shows how the Yxy color 37.7123, 0.4450, 0.3891 looks on a white background.

Color Contrast Check

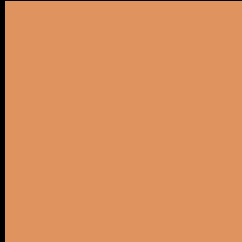
Large Text (above 18pt) WCAG AA × Fail

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 37.7123, 0.4450, 0.3891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

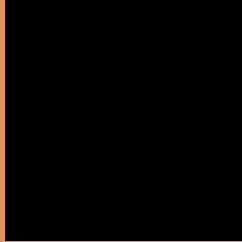
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.7123, 0.4450, 0.3891

Background



This preview shows how black text looks on a background with the Yxy color 37.7123, 0.4450, 0.3891.



This preview shows how white text looks on a background with the Yxy color 37.7123, 0.4450, 0.3891.

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

37.7123, 0.4450, 0.3891

Protanopia

38.0755, 0.3839, 0.4159

Deuteranopia

37.8184, 0.4184, 0.4098



Tritanopia

37.6476, 0.3938, 0.3163

Trichromacy



Original Color

37.7123, 0.4450, 0.3891

Protanomaly

37.4521, 0.4062, 0.4061

Deuteranomaly

37.6391, 0.4285, 0.4012

Tritanomaly

37.7812, 0.4136, 0.3434

Monochromacy



Original Color

37.7123, 0.4450, 0.3891

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

37.1288, 0.3577, 0.3552

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7123, 0.4450, 0.3891 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(223, 148, 96)` looks like.

```
.text, #text, p{  
    color:rgb(223, 148, 96)  
}
```

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(223, 148, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 148, 96) }
```

Border

The CSS property to change the border of an element to Yxy 37.7123, 0.4450, 0.3891 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(223, 148, 96) }
```

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

```
.border{ border-color:rgb(223, 148, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 148, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 148, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 148, 96);  
box-shadow:4px 4px 4px 4px rgb(223, 148,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7123, 0.4450, 0.3891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 148, 96) }
```

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

```
.background{ background-color: rgb(223,  
148, 96) }
```

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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