

Converting Colors

$Y_{xy}(39.7942, 0.4072, 0.3599)$

Have a look what the booklet for
Yxy(39.7942, 0.4072, 0.3599)
contains.

Yxy(39.8854, 0.4066, 0.3606)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(39.8854, 0.4066, 0.3606)

Conversions

Conversions Part 1

Format	Color
Hex	DC9A80
RGB	220, 154, 128
RGB Percent	86%, 60%, 50%
CMY	0.1371, 0.3961, 0.4980
CMYK	0.00, 0.30, 0.42, 0.14
HSL	17°, 57%, 68%
HSV	17°, 42%, 86%
XYZ	44.9734, 39.8854, 25.7496
YIQ	170.7700, 47.6820, 5.9060

Conversions

Conversions Part 2

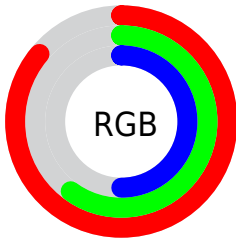
Format	Color
R _Y B	220, 164, 128
Decimal	14457472
CIE Lab	69.39, 21.57, 23.54
CIE LCh	69, 31.928, 47.501
Yxy	39.8854, 0.4066, 0.3606
Android (android.graphics.Color)	4292647552 (0xFFDC9A80)
YUV	170.7700, -21.0856, 43.1747
Hunter-Lab	63.1549, 16.5910, 20.0346

Details

The Yxy color **39.8854, 0.4066, 0.3606** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **48.3571, 0.2502, 0.2942**, and the grayscale version is **40.6945, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.1971, 0.3692, 0.3581**, and **17.8538, 0.4354, 0.3655** is the 20% darker color. If you saturate the color by 10%, you get **34.4963, 0.4394, 0.3675**, and if you desaturate by 10%, it is **46.0895, 0.3780, 0.3529**.

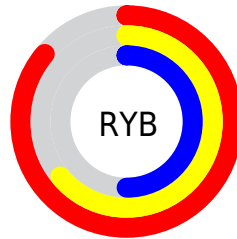
Distribution



Red (86%)

Green (60%)

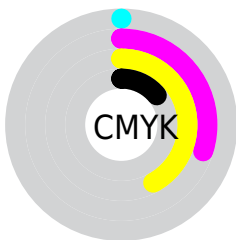
Blue (50%)



Red (86%)

Yellow (64%)

Blue (50%)

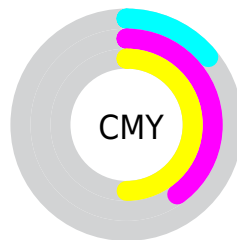


Cyan (0%)

Magenta (30%)

Yellow (42%)

Black (14%)



Cyan (14%)


Magenta (40%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.8854, 0.4066, 0.3606 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 39.8854, 0.4066, 0.3606 by changing the saturation by 10% instead.


 39.8854, 0.4066,
0.3606


 39.8854, 0.4066,
0.3606


345.6403, 0.3581,
0.3463

 27.4492, 0.4190,
0.3636


 74.9890, 0.3887,
0.3558

 17.9109, 0.4351,
0.3670


 98.4251, 0.3820,
0.3539

 10.8860, 0.4567,
0.3707


 126.2968, 0.3765,
0.3522

 5.9902, 0.4866,
0.3741

158.9882, 0.3717,
0.3507

 2.8391, 0.5320,
0.3764

196.8839, 0.3676,
0.3494

 1.0483, 0.6199,
0.3801

240.3682, 0.3640,

 0.0000, 1.0000,

0.3482

0.0000

289.8256, 0.3609,
0.3472

0.0000, 0.0000,
0.0000

39.8854, 0.4066,
0.3606

39.8854, 0.4066,
0.3606

34.4963, 0.4394,
0.3675

46.0895, 0.3780,
0.3529

29.8816, 0.4757,
0.3728

53.1353, 0.3535,
0.3450

26.0058, 0.5138,
0.3752

61.0555, 0.3329,
0.3374

22.8280, 0.5505,
0.3736

69.8792, 0.3156,
0.3303

20.3029, 0.5819,
0.3675

79.6341, 0.3010,
0.3236

■ 18.6813, 0.6023,
0.3600

■ 90.0195, 0.2915,
0.3226

■ 93.9601, 0.2917,
0.3289

Harmonies

Analogous

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



39.8854, 0.3897, 0.3230



39.8854, 0.4066, 0.3606



39.8854, 0.3959, 0.3940

Triad

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



39.8854, 0.4066, 0.3606



39.8854, 0.2728, 0.3743



39.8854, 0.2606, 0.2538

Complementary

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



39.8854, 0.4066, 0.3606



48.3571, 0.2502, 0.2942

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.



39.8854, 0.2341, 0.2607



39.8854, 0.4066, 0.3606



39.8854, 0.2405, 0.3279

Square

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



39.8854, 0.4066, 0.3606



39.8854, 0.3173, 0.4071



39.8854, 0.2271, 0.2864



39.8854, 0.3024, 0.2642

Rectangle

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



39.8854, 0.4066, 0.3606



39.8854, 0.3756, 0.4090



39.8854, 0.2271, 0.2864



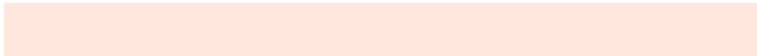
39.8854, 0.2498, 0.2541

Sweetspot

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



39.8873, 0.4066, 0.3606



83.7971, 0.3353, 0.3384



34.6204, 0.3419, 0.2511



17.3936, 0.3397, 0.3401



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.



39.8873, 0.4066, 0.3606



49.1820, 0.4345, 0.3666



57.4209, 0.3843, 0.4106



13.6474, 0.3285, 0.3357



11.1246, 0.5996, 0.3621



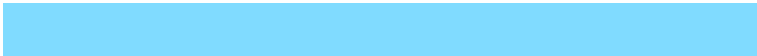
0.8655, 0.5672, 0.3878

Inverse Universe

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



48.3571, 0.2502, 0.2942



62.4272, 0.2389, 0.2857



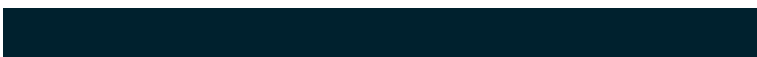
31.4027, 0.2398, 0.2307



14.1755, 0.2982, 0.3222



17.5543, 0.1986, 0.2349



1.2806, 0.2034, 0.2520

Previews

White Background



This preview shows how the Yxy color 39.8854, 0.4066, 0.3606 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 39.8854, 0.4066, 0.3606 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

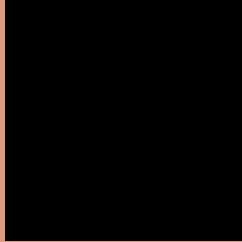
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.8854, 0.4066, 0.3606

Background



This preview shows how black text looks on a background with the Yxy color 39.8854, 0.4066, 0.3606.



This preview shows how white text looks on a background with the Yxy color 39.8854, 0.4066, 0.3606.

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

39.8854, 0.4066, 0.3606

Protanopia

39.8285, 0.3532, 0.3763

Deuteranopia

39.9801, 0.3839, 0.3773



Tritanopia

39.7561, 0.3771, 0.3149

Trichromacy



Original Color

39.8854, 0.4066, 0.3606

Protanomaly

39.8190, 0.3727, 0.3715

Deuteranomaly

39.9393, 0.3914, 0.3710

Tritanomaly

39.8327, 0.3881, 0.3316

Monochromacy



Original Color

39.8854, 0.4066, 0.3606

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

40.0956, 0.3447, 0.3425

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8854, 0.4066, 0.3606 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(220, 154, 128)` looks like.

```
.text, #text, p{  
    color:rgb(220, 154, 128)  
}
```

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(220, 154, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 154, 128) }
```

Border

The CSS property to change the border of an element to Yxy 39.8854, 0.4066, 0.3606 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(220, 154, 128) }
```

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

```
.border{ border-color:rgb(220, 154, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 154, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 154, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 154, 128);  
box-shadow:4px 4px 4px 4px rgb(220, 154,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8854, 0.4066, 0.3606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 154, 128) }
```

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

```
.background{ background-color: rgb(220,  
154, 128) }
```

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