

Converting Colors

$Yxy(49.6248, 0.3584, 0.3697)$

Have a look what the booklet for
Yxy(49.6248, 0.3584, 0.3697)
contains.

Yxy(49.6372, 0.3592, 0.3700)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.6372, 0.3592, 0.3700)

Conversions

Conversions Part 1

Format	Color
Hex	CEB897
RGB	206, 184, 151
RGB Percent	81%, 72%, 59%
CMY	0.1920, 0.2785, 0.4077
CMYK	0.00, 0.11, 0.27, 0.19
HSL	36°, 36%, 70%
HSV	36°, 27%, 81%
XYZ	48.1883, 49.6372, 36.3291
YIQ	186.8160, 23.7050, -5.5990

Conversions

Conversions Part 2

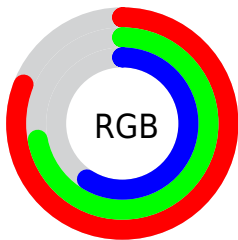
Format	Color
R_{YB}	188, 206, 151
Decimal	13547671
CIE _{Lab}	75.85, 2.80, 19.64
CIE _{LCh}	76, 19.838, 81.874
Yxy	49.6372, 0.3592, 0.3700
Android (android.graphics.Color)	4291737751 (0xFFCEB897)
YUV	186.8160, -17.6573, 16.8244
Hunter-Lab	70.4537, -1.2049, 18.7450

Details

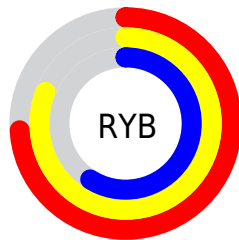
The Yxy color $49.6372, 0.3592, 0.3700$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $40.9519, 0.2697, 0.2842$, and the grayscale version is $49.6803, 0.3127, 0.3290$.

A 20% lighter version of the original color is $87.9880, 0.3451, 0.3640$, and $23.7320, 0.3719, 0.3808$ is the 20% darker color. If you saturate the color by 10%, you get $45.6971, 0.3800, 0.3859$, and if you desaturate by 10%, it is $53.8990, 0.3402, 0.3541$.

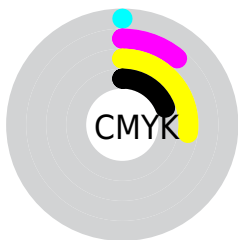
Distribution



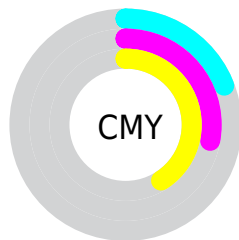
- Red (81%)
- Green (72%)
- Blue (59%)



- Red (74%)
- Yellow (81%)
- Blue (59%)



- Cyan (0%)
- Magenta (11%)
- Yellow (27%)
- Black (19%)




- Cyan (19%)
- Magenta (28%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.6372, 0.3592, 0.3700 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 49.6372, 0.3592, 0.3700 by changing the saturation by 10% instead.


 49.6372, 0.3592,
0.3700


 49.6372, 0.3592,
0.3700


385.2455, 0.3362,
0.3500

 35.1252, 0.3648,
0.3748


 89.6371, 0.3509,
0.3628

 23.7593, 0.3720,
0.3809


 115.8938, 0.3478,
0.3601

 15.1552, 0.3813,
0.3888


146.8342, 0.3451,
0.3578

 8.9284, 0.3940,
0.3994

182.8427, 0.3428,
0.3558

 4.6945, 0.4122,
0.4140

224.3037, 0.3409,
0.3541

 2.0692, 0.4450,
0.4406

271.6015, 0.3391,

 0.6472, 0.5137,

0.3525

0.4863

325.1207, 0.3376,
0.3512

0.0000, 0.0000,
0.0000

49.6372, 0.3592,
0.3700

49.6372, 0.3592,
0.3700

45.6971, 0.3800,
0.3859

53.8990, 0.3402,
0.3541

42.0625, 0.4023,
0.4012

58.4846, 0.3231,
0.3388

38.7255, 0.4256,
0.4150

63.4048, 0.3079,
0.3243

35.6751, 0.4489,
0.4261

68.6677, 0.2944,
0.3108

32.8995, 0.4711,
0.4332

74.2812, 0.2825,
0.2982

■ 30.3851, 0.4910,
0.4356

■ 78.9220, 0.2825,
0.3062

■ 28.1154, 0.5076,
0.4326

■ 83.7202, 0.2830,
0.3151

■ 27.4116, 0.5127,
0.4311

■ 88.7400, 0.2835,
0.3238

■ 91.8666, 0.2838,
0.3289

Harmonies

Analogous

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



49.6372, 0.3668, 0.3522



49.6372, 0.3592, 0.3700



49.6372, 0.3390, 0.3774

Triad

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



49.6372, 0.3592, 0.3700



49.6372, 0.2682, 0.3255



49.6372, 0.3113, 0.2916

Complementary

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



49.6372, 0.3592, 0.3700



40.9519, 0.2697, 0.2842

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.



49.6372, 0.2855, 0.2842



49.6372, 0.3592, 0.3700



49.6372, 0.2614, 0.3023

Square

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



49.6372, 0.3592, 0.3700



49.6372, 0.2865, 0.3511



49.6372, 0.2676, 0.2876



49.6372, 0.3385, 0.3080

Rectangle

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



49.6372, 0.3592, 0.3700



49.6372, 0.3215, 0.3745



49.6372, 0.2676, 0.2876



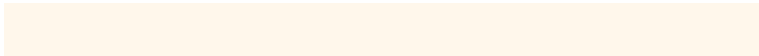
49.6372, 0.3022, 0.2880

Sweetspot

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



49.6395, 0.3592, 0.3700



93.6502, 0.3254, 0.3409



38.3215, 0.3462, 0.3004



19.7979, 0.3279, 0.3432



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.



49.6395, 0.3592, 0.3700



76.6969, 0.3708, 0.3791



58.8737, 0.3489, 0.3960



12.3131, 0.3275, 0.3429



17.0676, 0.5110, 0.4325



1.0266, 0.4885, 0.4504

Inverse Universe

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



40.9519, 0.2697, 0.2842



60.3387, 0.2600, 0.2730



33.6279, 0.2706, 0.2538



11.5695, 0.2983, 0.3147



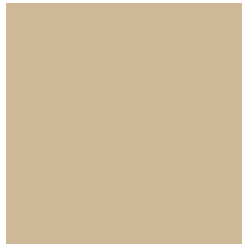
6.6889, 0.1689, 0.1279



0.4925, 0.1798, 0.1673

Previews

White Background



This preview shows how the Yxy color 49.6372, 0.3592, 0.3700 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 49.6372, 0.3592, 0.3700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

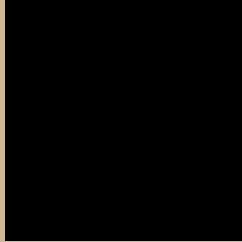
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.6372, 0.3592, 0.3700

Background



This preview shows how black text looks on a background with the Yxy color 49.6372, 0.3592, 0.3700.



This preview shows how white text looks on a background with the Yxy color 49.6372, 0.3592, 0.3700.

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

49.6372, 0.3592, 0.3700

Protanopia

49.8134, 0.3503, 0.3734

Deuteranopia

49.6612, 0.3697, 0.3628



Tritanopia

49.4954, 0.3300, 0.3124

Trichromacy



Original Color

49.6372, 0.3592, 0.3700

Protanomaly

49.8023, 0.3532, 0.3718

Deuteranomaly

49.4609, 0.3657, 0.3644

Tritanomaly

49.3722, 0.3407, 0.3327

Monochromacy



Original Color

49.6372, 0.3592, 0.3700

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.6431, 0.3290, 0.3442

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6372, 0.3592, 0.3700 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(206, 184, 151)` looks like.

```
.text, #text, p{  
    color:rgb(206, 184, 151)  
}
```

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(206, 184, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 184, 151) }
```

Border

The CSS property to change the border of an element to Yxy 49.6372, 0.3592, 0.3700 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(206, 184, 151) }
```

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

```
.border{ border-color:rgb(206, 184, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 184, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 184, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 184, 151);  
box-shadow:4px 4px 4px 4px rgb(206, 184,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6372, 0.3592, 0.3700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 184, 151) }
```

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

```
.background{ background-color: rgb(206,  
184, 151) }
```

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