

# Converting Colors

$Yxy(41.9385, 0.3695, 0.3714)$

Have a look what the booklet for  
Yxy(41.9385, 0.3695, 0.3714)  
contains.

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# Color

**Yxy(42.1593, 0.3700, 0.3721)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C6A988
RGB	198, 169, 136
RGB Percent	78%, 66%, 53%
CMY	0.2235, 0.3372, 0.4667
CMYK	0.00, 0.15, 0.31, 0.22
HSL	32°, 35%, 65%
HSV	32°, 31%, 78%
XYZ	41.9214, 42.1593, 29.2203
YIQ	173.9090, 27.8770, -4.1150

# Conversions

## Conversions Part 2

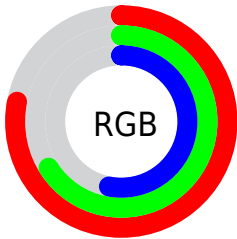
<b>Format</b>	<b>Color</b>
<b>RYB</b>	190, 198, 136
Decimal	13019528
CIELab	70.98, 5.68, 20.96
CIELCh	71, 21.719, 74.829
Yxy	42.1593, 0.3700, 0.3721
Android (android.graphics.Color)	4291209608 (0xFFC6A988)
YUV	173.9090, -18.6891, 21.1278
Hunter-Lab	64.9302, 1.6185, 18.7690

# Details

The Yxy color **42.1593, 0.3700, 0.3721** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **36.2224, 0.2627, 0.2815**, and the grayscale version is **42.3665, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2454, 0.3593, 0.3648**, and **19.2341, 0.3866, 0.3839** is the 20% darker color. If you saturate the color by 10%, you get **38.3244, 0.3928, 0.3862**, and if you desaturate by 10%, it is **46.3462, 0.3493, 0.3578**.

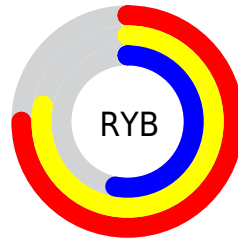
# Distribution



Red (78%)

Green (66%)

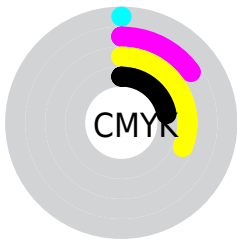
Blue (53%)



Red (75%)

Yellow (78%)

Blue (53%)

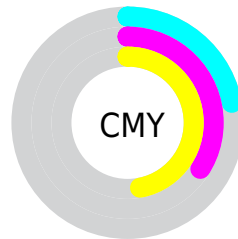


Cyan (0%)

Magenta (15%)

Yellow (31%)

Black (22%)



Cyan (22%)

Magenta (34%)


Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.1593, 0.3700, 0.3721 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 42.1593, 0.3700, 0.3721 by changing the saturation by 10% instead.





 42.1593, 0.3700,  
0.3721

 42.1593, 0.3700,  
0.3721


355.1429, 0.3408,  
0.3507


 29.2260, 0.3774,  
0.3773


 78.4407, 0.3593,  
0.3644

 19.2519, 0.3869,  
0.3839


 102.5576, 0.3553,  
0.3615

 11.8524, 0.3995,  
0.3925


 131.1711, 0.3520,  
0.3590

 6.6433, 0.4171,  
0.4039

164.6658, 0.3491,  
0.3569

 3.2400, 0.4427,  
0.4193

203.4259, 0.3466,  
0.3550

 1.2583, 0.5231,  
0.4769

247.8358, 0.3444,

 0.1086, 0.6903,

0.3534

0.3097

298.2800, 0.3425,  
0.3520

0.0000, 0.0000,  
0.0000

42.1593, 0.3700,  
0.3721

42.1593, 0.3700,  
0.3721

38.3244, 0.3928,  
0.3862

46.3462, 0.3493,  
0.3578

34.8249, 0.4175,  
0.3994

50.8894, 0.3309,  
0.3439

31.6513, 0.4433,  
0.4106


55.8006, 0.3147,  
0.3307

28.7912, 0.4693,  
0.4187

61.0889, 0.3004,  
0.3183


26.2310, 0.4939,  
0.4224


66.7632, 0.2880,  
0.3068


 23.9554, 0.5156,  
0.4209

 72.8322, 0.2771,  
0.2962

 22.1897, 0.5319,  
0.4159

 77.9761, 0.2777,  
0.3062

 83.3831, 0.2785,  
0.3163

 89.0696, 0.2792,  
0.3261

# Harmonies

## Analogous

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



42.1593, 0.3749, 0.3496



42.1593, 0.3700, 0.3721



42.1593, 0.3494, 0.3844

# Triad

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



42.1593, 0.3700, 0.3721



42.1593, 0.2653, 0.3318



42.1593, 0.3035, 0.2831

# Complementary

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



42.1593, 0.3700, 0.3721



36.2224, 0.2627, 0.2815

# 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.



42.1593, 0.2754, 0.2773



42.1593, 0.3700, 0.3721



42.1593, 0.2543, 0.3034

# Square

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



42.1593, 0.3700, 0.3721



42.1593, 0.2888, 0.3611



42.1593, 0.2579, 0.2841



42.1593, 0.3354, 0.2997



# Rectangle

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



42.1593, 0.3700, 0.3721



42.1593, 0.3300, 0.3840



42.1593, 0.2579, 0.2841



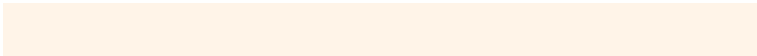
42.1593, 0.2933, 0.2799

# Sweetspot

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



42.1612, 0.3700, 0.3721



91.9504, 0.3272, 0.3410



32.3669, 0.3492, 0.2900



19.4137, 0.3297, 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.



42.1612, 0.3700, 0.3721



69.6662, 0.3864, 0.3824



54.0341, 0.3586, 0.4066



11.5560, 0.3276, 0.3413



14.6026, 0.5300, 0.4174



0.8355, 0.5009, 0.4405



# Inverse Universe

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



36.2224, 0.2627, 0.2815



57.4109, 0.2507, 0.2684



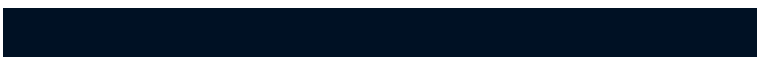
27.0072, 0.2585, 0.2381



11.0917, 0.2983, 0.3164



7.8663, 0.1747, 0.1488



0.5171, 0.1857, 0.1884



# Previews

## White Background



This preview shows how the Yxy color 42.1593, 0.3700, 0.3721 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

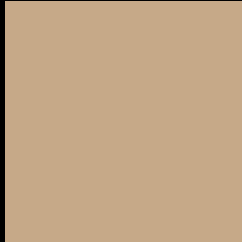
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 42.1593, 0.3700, 0.3721 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

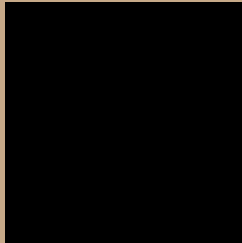
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 42.1593, 0.3700, 0.3721**

## **Background**



This preview shows how black text looks on a background with the Yxy color 42.1593, 0.3700, 0.3721.



This preview shows how white text looks on a background with the Yxy color 42.1593, 0.3700, 0.3721.

# 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

42.1593, 0.3700, 0.3721

### Protanopia

42.4214, 0.3538, 0.3778

### Deuteranopia

42.1115, 0.3757, 0.3689



## Tritanopia

41.8855, 0.3381, 0.3127

# Trichromacy



## Original Color

42.1593, 0.3700, 0.3721

## Protanomaly

42.2583, 0.3602, 0.3758

## Deuteranomaly

42.2003, 0.3733, 0.3704

## Tritanomaly

41.9010, 0.3508, 0.3342

# Monochromacy



## Original Color

42.1593, 0.3700, 0.3721

## Achromatopsia

42.3268, 0.3127, 0.3290

## Achromatomaly

42.1104, 0.3331, 0.3452

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.1593, 0.3700, 0.3721 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(198, 169, 136)` looks like.

```
.text, #text, p{  
    color:rgb(198, 169, 136)  
}
```

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(198, 169, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 169, 136) }
```

## Border

The CSS property to change the border of an element to Yxy 42.1593, 0.3700, 0.3721 is called "border". The border property can be set on classes, ids or directly on the HTML element.

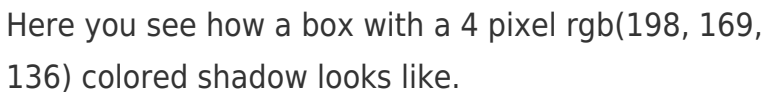
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(198, 169, 136) }
```

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

```
.border{ border-color:rgb(198, 169, 136) }
```

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



Here you see how a box with a 4 pixel `rgb(198, 169, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(198, 169, 136); -webkit-box-shadow:4px 4px 4px 4px rgb(198, 169, 136); box-shadow:4px 4px 4px 4px rgb(198, 169, 136) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.1593, 0.3700, 0.3721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 169, 136) }
```

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

```
.background{ background-color: rgb(198,  
169, 136) }
```

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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