

# Converting Colors

$Yxy(40.0667, 0.3758, 0.3691)$

Have a look what the booklet for  
Yxy(40.0667, 0.3758, 0.3691)  
contains.

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# Color

**Yxy(40.0300, 0.3762, 0.3683)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C7A385
RGB	199, 163, 133
RGB Percent	78%, 64%, 52%
CMY	0.2195, 0.3608, 0.4783
CMYK	0.00, 0.18, 0.33, 0.22
HSL	27°, 37%, 65%
HSV	27°, 33%, 78%
XYZ	40.8886, 40.0300, 27.7699
YIQ	170.3440, 31.0860, -1.6980

# Conversions

## Conversions Part 2

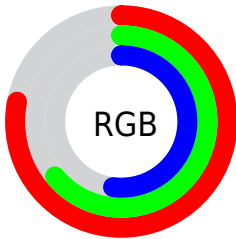
Format	Color
R <sub>Y</sub> B	199, 188, 133
Decimal	13083525
CIE Lab	69.49, 8.95, 20.56
CIE LCh	69, 22.429, 66.472
Yxy	40.0300, 0.3762, 0.3683
Android (android.graphics.Color)	4291273605 (0xFFC7A385)
YUV	170.3440, -18.4106, 25.1313
Hunter-Lab	63.2693, 4.6369, 18.2651

# Details

The Yxy color **40.0300, 0.3762, 0.3683** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **37.5052, 0.2606, 0.2859**, and the grayscale version is **40.4635, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.9480, 0.3630, 0.3619**, and **17.9227, 0.3961, 0.3787** is the 20% darker color. If you saturate the color by 10%, you get **35.8395, 0.4011, 0.3804**, and if you desaturate by 10%, it is **44.6598, 0.3540, 0.3560**.

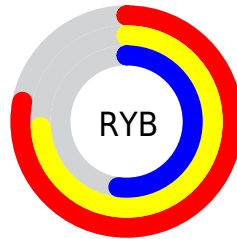
# Distribution



Red (78%)

Green (64%)

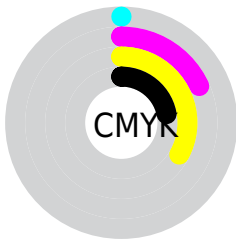
Blue (52%)



Red (78%)

Yellow (74%)

Blue (52%)

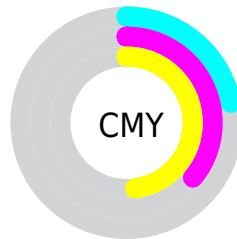


Cyan (0%)

Magenta (18%)

Yellow (33%)

Black (22%)



Cyan (22%)

Magenta (36%)


Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.0300, 0.3762, 0.3683 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 40.0300, 0.3762, 0.3683 by changing the saturation by 10% instead.





 40.0300, 0.3762,  
0.3683


 40.0300, 0.3762,  
0.3683


346.2500, 0.3435,  
0.3489

 27.5619, 0.3846,  
0.3730


 75.2092, 0.3641,  
0.3613

 17.9957, 0.3955,  
0.3789


 98.6891, 0.3597,  
0.3587

 10.9469, 0.4101,  
0.3864


 126.6084, 0.3559,  
0.3565

 6.0311, 0.4305,  
0.3962

159.3516, 0.3527,  
0.3545

 2.8640, 0.4609,  
0.4089

197.3029, 0.3499,  
0.3528

 1.0612, 0.5459,  
0.4541

240.8468, 0.3475,

 0.0000, 1.0000,

0.3514

0.0000

290.3677, 0.3454,  
0.3501

0.0000, 0.0000,  
0.0000

40.0300, 0.3762,  
0.3683

40.0300, 0.3762,  
0.3683

35.8395, 0.4011,  
0.3804

44.6598, 0.3540,  
0.3560

32.0686, 0.4285,  
0.3914

49.7367, 0.3345,  
0.3439

28.7040, 0.4577,  
0.4004

55.2755, 0.3176,  
0.3325

25.7294, 0.4873,  
0.4061

61.2883, 0.3029,  
0.3218


23.1270, 0.5154,  
0.4072

67.7868, 0.2902,  
0.3118


 20.8770, 0.5401,  
0.4029

 74.7824, 0.2793,  
0.3027

 19.5228, 0.5549,  
0.3976

 81.1184, 0.2787,  
0.3119

 87.6726, 0.2796,  
0.3235

 90.8845, 0.2800,  
0.3289

# Harmonies

## Analogous

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



40.0300, 0.3762, 0.3429



40.0300, 0.3762, 0.3683



40.0300, 0.3585, 0.3851

# Triad

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



40.0300, 0.3762, 0.3683



40.0300, 0.2687, 0.3408



40.0300, 0.2940, 0.2780

# Complementary

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



40.0300, 0.3762, 0.3683



37.5052, 0.2606, 0.2859

# 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.



40.0300, 0.2672, 0.2754



40.0300, 0.3762, 0.3683



40.0300, 0.2532, 0.3097

# Square

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



40.0300, 0.3762, 0.3683



40.0300, 0.2961, 0.3701



40.0300, 0.2527, 0.2862



40.0300, 0.3273, 0.2926



# Rectangle

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



40.0300, 0.3762, 0.3683



40.0300, 0.3396, 0.3881



40.0300, 0.2527, 0.2862



40.0300, 0.2840, 0.2757

# Sweetspot

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



40.0319, 0.3762, 0.3683



89.9041, 0.3292, 0.3404



31.8027, 0.3473, 0.2822



18.9540, 0.3317, 0.3421



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.



40.0319, 0.3762, 0.3683



64.5573, 0.3945, 0.3773



53.1911, 0.3634, 0.4072



11.4171, 0.3278, 0.3395



12.7216, 0.5526, 0.3994



0.7467, 0.5179, 0.4270



# Inverse Universe

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



37.5052, 0.2606, 0.2859



59.4331, 0.2489, 0.2744



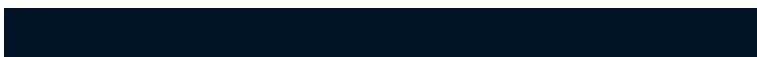
26.8124, 0.2544, 0.2365



11.2308, 0.2983, 0.3182



9.8091, 0.1819, 0.1748



0.6079, 0.1916, 0.2099



# Previews

## White Background



This preview shows how the Yxy color 40.0300, 0.3762, 0.3683 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

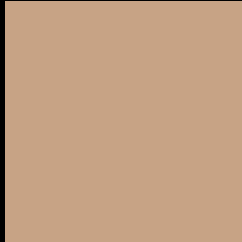
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 40.0300, 0.3762, 0.3683 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

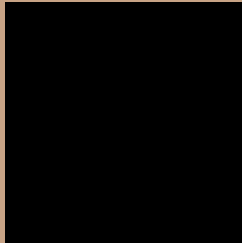
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 40.0300, 0.3762, 0.3683**

## Background



This preview shows how black text looks on a background with the Yxy color 40.0300, 0.3762, 0.3683.



This preview shows how white text looks on a background with the Yxy color 40.0300, 0.3762, 0.3683.

# 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

40.0300, 0.3762, 0.3683

### Protanopia

40.2303, 0.3520, 0.3762

### Deuteranopia

40.0300, 0.3762, 0.3683



## Tritanopia

40.0525, 0.3457, 0.3139

# Trichromacy



## Original Color

40.0300, 0.3762, 0.3683

## Protanomaly

39.9515, 0.3608, 0.3726

## Deuteranomaly

40.0300, 0.3762, 0.3683

## Tritanomaly

40.1325, 0.3569, 0.3330

# Monochromacy



## Original Color

40.0300, 0.3762, 0.3683

## Achromatopsia

40.1978, 0.3127, 0.3290

## Achromatomaly

39.8955, 0.3347, 0.3427

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.0300, 0.3762, 0.3683 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(199, 163, 133)` looks like.

```
.text, #text, p{  
    color:rgb(199, 163, 133)  
}
```

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(199, 163, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 163, 133) }
```

## Border

The CSS property to change the border of an element to Yxy 40.0300, 0.3762, 0.3683 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(199, 163, 133) }
```

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

```
.border{ border-color:rgb(199, 163, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 163, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 163, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 163, 133);  
box-shadow:4px 4px 4px 4px rgb(199, 163,  
133) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.0300, 0.3762, 0.3683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 163, 133) }
```

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

```
.background{ background-color: rgb(199,  
163, 133) }
```

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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