

# Converting Colors

$Y_{xy}(41.7603, 0.3713, 0.3722)$

Have a look what the booklet for  
Yxy(41.7603, 0.3713, 0.3722)  
contains.

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# Color

**Yxy(41.7603, 0.3713, 0.3722)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6A887
RGB	198, 168, 135
RGB Percent	78%, 66%, 53%
CMY	0.2236, 0.3411, 0.4707
CMYK	0.00, 0.15, 0.32, 0.22
HSL	31°, 36%, 65%
HSV	31°, 32%, 78%
XYZ	41.6593, 41.7603, 28.7789
YIQ	173.2080, 28.4730, -3.9030

# Conversions

## Conversions Part 2

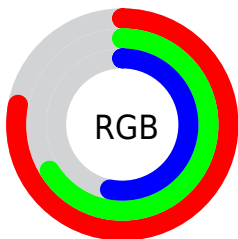
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">192, 198, 135</a>
Decimal	<a href="#">13019271</a>
CIELab	<a href="#">70.71, 6.08, 21.14</a>
CIElCh	<a href="#">71, 21.996, 73.966</a>
Yxy	<a href="#">41.7603, 0.3713, 0.3722</a>
Android (android.graphics.Color)	<a href="#">4291209351 (0xFFC6A887)</a>
YUV	<a href="#">173.2080, -18.8365, 21.7426</a>
Hunter-Lab	<a href="#">64.6222, 1.9829, 18.8313</a>

# Details

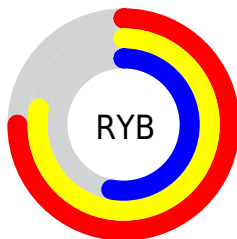
The Yxy color **41.7603, 0.3713, 0.3722** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **36.1165, 0.2620, 0.2814**, and the grayscale version is **41.9873, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.6662, 0.3603, 0.3648**, and **18.9863, 0.3886, 0.3840** is the 20% darker color. If you saturate the color by 10%, you get **37.9030, 0.3944, 0.3861**, and if you desaturate by 10%, it is **45.9770, 0.3504, 0.3581**.

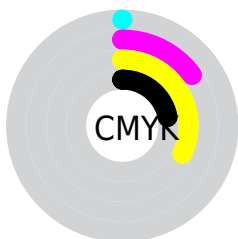
# Distribution



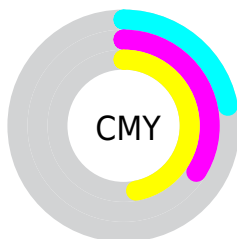
- Red (78%)
- Green (66%)
- Blue (53%)



- Red (75%)
- Yellow (78%)
- Blue (53%)



- Cyan (0%)
- Magenta (15%)
- Yellow (32%)
- Black (22%)




- Cyan (22%)
- Magenta (34%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.7603, 0.3713, 0.3722 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 41.7603, 0.3713, 0.3722 by changing the saturation by 10% instead.




 41.7603, 0.3713,  
0.3722


 41.7603, 0.3713,  
0.3722


353.4883, 0.3414,  
0.3508


 28.9136, 0.3789,  
0.3774


 77.8367, 0.3603,  
0.3645

 19.0155, 0.3886,  
0.3840


 101.8353, 0.3563,  
0.3616

 11.6815, 0.4016,  
0.3926


 130.3199, 0.3528,  
0.3591

 6.5272, 0.4197,  
0.4039

163.6751, 0.3499,  
0.3569

 3.1682, 0.4461,  
0.4191

202.2851, 0.3473,  
0.3551

 1.2202, 0.5259,  
0.4741

246.5344, 0.3451,

 0.0781, 0.7403,

0.3535

0.2597

296.8073, 0.3432,  
0.3520

0.0000, 0.0000,  
0.0000

41.7603, 0.3713,  
0.3722

41.7603, 0.3713,  
0.3722

37.9030, 0.3944,  
0.3861

45.9770, 0.3504,  
0.3581

34.3882, 0.4194,  
0.3990

50.5577, 0.3319,  
0.3444

31.2062, 0.4456,  
0.4100


55.5144, 0.3155,  
0.3313

28.3441, 0.4718,  
0.4177


60.8564, 0.3011,  
0.3190

25.7880, 0.4967,  
0.4210


66.5930, 0.2886,  
0.3077


 23.5221, 0.5186,  
0.4190

 72.7328, 0.2776,  
0.2972

 21.8655, 0.5342,  
0.4140

 78.0302, 0.2777,  
0.3064

 83.5336, 0.2785,  
0.3166

 89.3261, 0.2793,  
0.3266

# Harmonies

## Analogous

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



41.7603, 0.3758, 0.3491



41.7603, 0.3713, 0.3722



41.7603, 0.3507, 0.3852

# Triad

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



41.7603, 0.3713, 0.3722



41.7603, 0.2651, 0.3327



41.7603, 0.3024, 0.2821

# Complementary

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



41.7603, 0.3713, 0.3722



36.1165, 0.2620, 0.2814

# 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.



41.7603, 0.2742, 0.2765



41.7603, 0.3713, 0.3722



41.7603, 0.2535, 0.3037

# Square

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



41.7603, 0.3713, 0.3722



41.7603, 0.2892, 0.3624



41.7603, 0.2568, 0.2838



41.7603, 0.3348, 0.2987



# Rectangle

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



41.7603, 0.3713, 0.3722



41.7603, 0.3311, 0.3851



41.7603, 0.2568, 0.2838



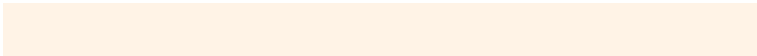
41.7603, 0.2921, 0.2789

# Sweetspot

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



41.7622, 0.3713, 0.3722



90.9691, 0.3290, 0.3421



32.0579, 0.3500, 0.2894



19.2114, 0.3314, 0.3441



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.



41.7622, 0.3713, 0.3722



69.2886, 0.3867, 0.3816



53.9884, 0.3593, 0.4078



11.5418, 0.3277, 0.3411



14.3954, 0.5323, 0.4156



0.8260, 0.5026, 0.4392



# Inverse Universe

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



36.1165, 0.2620, 0.2814



57.7756, 0.2508, 0.2693



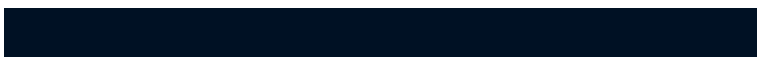
26.6357, 0.2575, 0.2364



11.1057, 0.2983, 0.3166



8.0473, 0.1754, 0.1513



0.5258, 0.1863, 0.1906



# Previews

## White Background



This preview shows how the Yxy color 41.7603, 0.3713, 0.3722 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

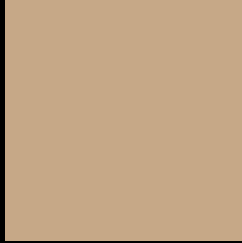
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.7603, 0.3713, 0.3722 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

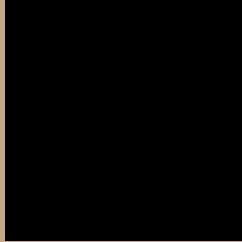
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.7603, 0.3713, 0.3722**

## Background



This preview shows how black text looks on a background with the Yxy color 41.7603, 0.3713, 0.3722.



This preview shows how white text looks on a background with the Yxy color 41.7603, 0.3713, 0.3722.

# 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

41.7603, 0.3713, 0.3722

### Protanopia

41.8836, 0.3540, 0.3780

### Deuteranopia

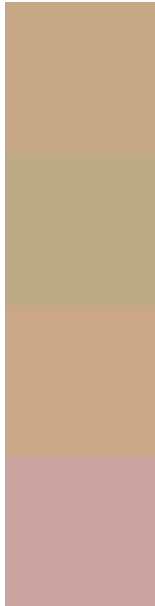
41.7182, 0.3771, 0.3689



## Tritanopia

41.4924, 0.3392, 0.3127

# Trichromacy



## Original Color

41.7603, 0.3713, 0.3722

## Protanomaly

41.7222, 0.3605, 0.3760

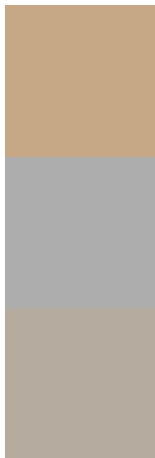
## Deuteranomaly

41.8042, 0.3747, 0.3705

## Tritanomaly

41.5065, 0.3520, 0.3342

# Monochromacy



## Original Color

41.7603, 0.3713, 0.3722

## Achromatopsia

41.7885, 0.3127, 0.3290

## Achromatomaly

41.5741, 0.3332, 0.3453

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.7603, 0.3713, 0.3722 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, 168, 135)` looks like.

```
.text, #text, p{  
    color:rgb(198, 168, 135)  
}
```

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, 168, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 168, 135) }
```

## Border

The CSS property to change the border of an element to Yxy 41.7603, 0.3713, 0.3722 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, 168, 135) }
```

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

```
.border{ border-color:rgb(198, 168, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 168, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 168, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 168, 135);  
box-shadow:4px 4px 4px 4px rgb(198, 168,  
135) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.7603, 0.3713, 0.3722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 168, 135) }
```

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

```
.background{ background-color: rgb(198,  
168, 135) }
```

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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