

# Converting Colors

$Y_{xy}(43.1896, 0.3926, 0.3734)$

Have a look what the booklet for  
Yxy(43.1896, 0.3926, 0.3734)  
contains.

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# Color

**Yxy(43.1803, 0.3926, 0.3734)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D6A682
RGB	214, 166, 130
RGB Percent	84%, 65%, 51%
CMY	0.1607, 0.3490, 0.4902
CMYK	0.00, 0.22, 0.39, 0.16
HSL	26°, 51%, 67%
HSV	26°, 39%, 84%
XYZ	45.4006, 43.1803, 27.0600
YIQ	176.2480, 40.1640, -1.0200

# Conversions

## Conversions Part 2

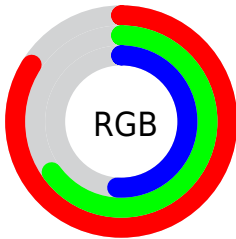
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	214, 193, 130
Decimal	14067330
CIE Lab	71.68, 12.93, 25.42
CIE LCh	72, 28.524, 63.040
Yxy	43.1803, 0.3926, 0.3734
Android (android.graphics.Color)	4292257410 (0xFFD6A682)
YUV	176.2480, -22.8003, 33.1085
Hunter-Lab	65.7117, 8.3312, 21.5827

# Details

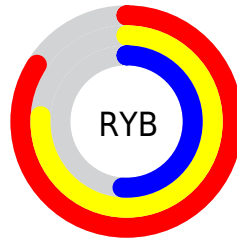
The Yxy color **43.1803, 0.3926, 0.3734** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **41.4493, 0.2512, 0.2793**, and the grayscale version is **43.6593, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3918, 0.3644, 0.3680**, and **19.8829, 0.4168, 0.3843** is the 20% darker color. If you saturate the color by 10%, you get **38.4286, 0.4200, 0.3844**, and if you desaturate by 10%, it is **48.4786, 0.3681, 0.3618**.

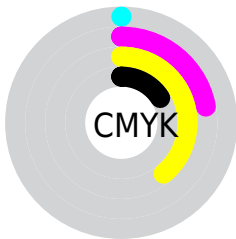
# Distribution



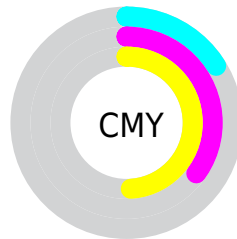
- Red (84%)
- Green (65%)
- Blue (51%)



- Red (84%)
- Yellow (76%)
- Blue (51%)



- Cyan (0%)
- Magenta (22%)
- Yellow (39%)
- Black (16%)




- Cyan (16%)
- Magenta (35%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.1803, 0.3926, 0.3734 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 43.1803, 0.3926, 0.3734 by changing the saturation by 10% instead.





 43.1803, 0.3926,  
0.3734


 43.1803, 0.3926,  
0.3734


359.3527, 0.3520,  
0.3522

 30.0266, 0.4028,  
0.3782


 79.9829, 0.3778,  
0.3660

 19.8588, 0.4158,  
0.3841


 104.4005, 0.3722,  
0.3631

 12.2924, 0.4330,  
0.3913


 133.3416, 0.3676,  
0.3607

 6.9432, 0.4565,  
0.4000

167.1906, 0.3636,  
0.3585

 3.4266, 0.4902,  
0.4099

206.3318, 0.3601,  
0.3567

 1.3583, 0.5641,  
0.4359

251.1496, 0.3571,

 0.1857, 0.7261,

0.3550

0.2739

302.0285, 0.3544,  
0.3535

0.0000, 0.0000,  
0.0000

43.1803, 0.3926,  
0.3734

43.1803, 0.3926,  
0.3734

38.4286, 0.4200,  
0.3844

48.4786, 0.3681,  
0.3618

34.1981, 0.4498,  
0.3937

54.3355, 0.3465,  
0.3501

30.4703, 0.4807,  
0.4001

60.7701, 0.3278,  
0.3389

27.2230, 0.5110,  
0.4024

67.7989, 0.3116,  
0.3282

24.4313, 0.5385,  
0.3995

75.4374, 0.2977,  
0.3184

■ 22.0625, 0.5615,  
0.3917

■ 83.4792, 0.2876,  
0.3127

■ 21.9013, 0.5631,  
0.3911

■ 90.9009, 0.2882,  
0.3255

■ 93.0387, 0.2883,  
0.3289

# Harmonies

## Analogous

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



43.1803, 0.3901, 0.3414



43.1803, 0.3926, 0.3734



43.1803, 0.3725, 0.3966

# Triad

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



43.1803, 0.3926, 0.3734



43.1803, 0.2615, 0.3480



43.1803, 0.2850, 0.2657

# Complementary

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



43.1803, 0.3926, 0.3734



41.4493, 0.2512, 0.2793

# 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.



43.1803, 0.2538, 0.2639



43.1803, 0.3926, 0.3734



43.1803, 0.2410, 0.3085

# Square

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



43.1803, 0.3926, 0.3734



43.1803, 0.2962, 0.3840



43.1803, 0.2384, 0.2784



43.1803, 0.3256, 0.2818



# Rectangle

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



43.1803, 0.3926, 0.3734



43.1803, 0.3498, 0.4027



43.1803, 0.2384, 0.2784



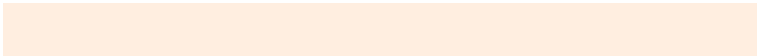
43.1803, 0.2731, 0.2633

# Sweetspot

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



43.1823, 0.3926, 0.3734



87.5285, 0.3328, 0.3420



33.5187, 0.3532, 0.2699



18.4609, 0.3353, 0.3435



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.



43.1823, 0.3926, 0.3734



58.3436, 0.4149, 0.3825



60.5435, 0.3741, 0.4188



13.2870, 0.3280, 0.3390



13.4332, 0.5606, 0.3931



0.9727, 0.5303, 0.4171

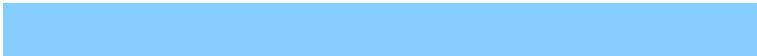


# Inverse Universe

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



41.4493, 0.2512, 0.2793



55.4015, 0.2387, 0.2668



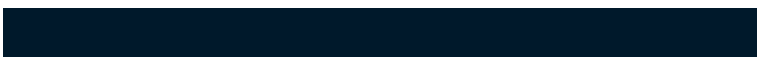
27.4931, 0.2421, 0.2197



13.1751, 0.2982, 0.3188



11.6036, 0.1842, 0.1832



0.8627, 0.1919, 0.2108



# Previews

## White Background



This preview shows how the Yxy color 43.1803, 0.3926, 0.3734 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 43.1803, 0.3926, 0.3734 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

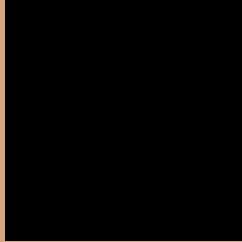
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 43.1803, 0.3926, 0.3734**

## Background



This preview shows how black text looks on a background with the Yxy color 43.1803, 0.3926, 0.3734.



This preview shows how white text looks on a background with the Yxy color 43.1803, 0.3926, 0.3734.

# 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

43.1803, 0.3926, 0.3734

### Protanopia

43.4633, 0.3595, 0.3852

### Deuteranopia

43.3708, 0.3862, 0.3793



## Tritanopia

43.0642, 0.3569, 0.3135

# Trichromacy



**Original Color**

43.1803, 0.3926, 0.3734

**Protanomaly**

43.0688, 0.3706, 0.3799

**Deuteranomaly**

43.2919, 0.3886, 0.3777

**Tritanomaly**

43.0267, 0.3711, 0.3353

# Monochromacy



**Original Color**

43.1803, 0.3926, 0.3734

**Achromatopsia**

43.4154, 0.3127, 0.3290

**Achromatomaly**

42.9554, 0.3405, 0.3462

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.1803, 0.3926, 0.3734 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(214, 166, 130)` looks like.

```
.text, #text, p{  
    color:rgb(214, 166, 130)  
}
```

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(214, 166, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 166, 130) }
```

## Border

The CSS property to change the border of an element to Yxy 43.1803, 0.3926, 0.3734 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(214, 166, 130) }
```

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

```
.border{ border-color:rgb(214, 166, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 166, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 166, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 166, 130);  
box-shadow:4px 4px 4px 4px rgb(214, 166,  
130) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.1803, 0.3926, 0.3734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 166, 130) }
```

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

```
.background{ background-color: rgb(214,  
166, 130) }
```

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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