

Converting Colors

$Yxy(41.5307, 0.3818, 0.3672)$

Have a look what the booklet for
Yxy(41.5307, 0.3818, 0.3672)
contains.

Yxy(41.3940, 0.3818, 0.3673)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(41.3940, 0.3818, 0.3673)

Conversions

Conversions Part 1

Format	Color
Hex	CEA486
RGB	206, 164, 134
RGB Percent	81%, 64%, 53%
CMY	0.1922, 0.3568, 0.4745
CMYK	0.00, 0.20, 0.35, 0.19
HSL	25°, 42%, 67%
HSV	25°, 35%, 81%
XYZ	43.0281, 41.3940, 28.2759
YIQ	173.1380, 34.6620, -0.4260

Conversions

Conversions Part 2

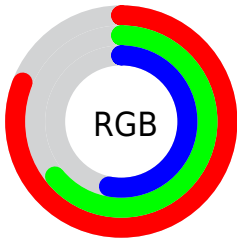
Format	Color
R _Y B	206, 185, 134
Decimal	13542534
CIE Lab	70.45, 11.29, 21.45
CIE LCh	70, 24.242, 62.252
Yxy	41.3940, 0.3818, 0.3673
Android (android.graphics.Color)	4291732614 (0xFFCEA486)
YUV	173.1380, -19.2950, 28.8200
Hunter-Lab	64.3382, 6.7855, 18.9794

Details

The Yxy color **41.3940, 0.3818, 0.3673** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **40.5618, 0.2582, 0.2870**, and the grayscale version is **41.9507, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5109, 0.3620, 0.3619**, and **18.7125, 0.4024, 0.3770** is the 20% darker color. If you saturate the color by 10%, you get **36.7780, 0.4082, 0.3783**, and if you desaturate by 10%, it is **46.5317, 0.3584, 0.3559**.

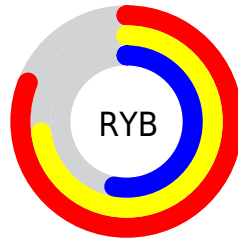
Distribution



Red (81%)

Green (64%)

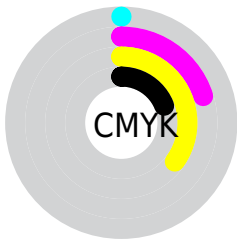
Blue (53%)



Red (81%)

Yellow (73%)

Blue (53%)

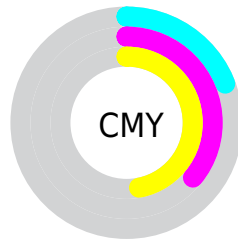


Cyan (0%)

Magenta (20%)

Yellow (35%)

Black (19%)



Cyan (19%)

Magenta (36%)

Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.3940, 0.3818, 0.3673 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 41.3940, 0.3818, 0.3673 by changing the saturation by 10% instead.


 41.3940, 0.3818,
0.3673


 41.3940, 0.3818,
0.3673


351.9646, 0.3464,
0.3487


 28.6271, 0.3908,
0.3717


 77.2816, 0.3688,
0.3607

 18.7989, 0.4025,
0.3771


 101.1711, 0.3639,
0.3582

 11.5251, 0.4181,
0.3839


 129.5370, 0.3599,
0.3560

 6.4212, 0.4398,
0.3925

162.7635, 0.3564,
0.3542

 3.1028, 0.4716,
0.4030

201.2351, 0.3534,
0.3525

 1.1857, 0.5578,
0.4422

245.3363, 0.3508,

 0.0499, 0.8661,

0.3511

0.1339

295.4513, 0.3485,
0.3498

0.0000, 0.0000,
0.0000

41.3940, 0.3818,
0.3673

41.3940, 0.3818,
0.3673

36.7780, 0.4082,
0.3783

46.5317, 0.3584,
0.3559

32.6603, 0.4373,
0.3882

52.2022, 0.3381,
0.3447

29.0239, 0.4684,
0.3958

58.4232, 0.3205,
0.3340

25.8485, 0.4997,
0.3999

65.2100, 0.3054,
0.3240

23.1117, 0.5293,
0.3992

72.5771, 0.2924,
0.3148

■ 20.7885, 0.5546,
0.3931

■ 80.3706, 0.2826,
0.3090

■ 19.7563, 0.5661,
0.3887

■ 87.5231, 0.2834,
0.3217

■ 91.8591, 0.2838,
0.3289

Harmonies

Analogous

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



41.3940, 0.3789, 0.3395



41.3940, 0.3818, 0.3673



41.3940, 0.3652, 0.3872

Triad

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



41.3940, 0.3818, 0.3673



41.3940, 0.2691, 0.3464



41.3940, 0.2880, 0.2735

Complementary

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



41.3940, 0.3818, 0.3673



40.5618, 0.2582, 0.2870

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.



41.3940, 0.2611, 0.2726



41.3940, 0.3818, 0.3673



41.3940, 0.2507, 0.3125

Square

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



41.3940, 0.3818, 0.3673



41.3940, 0.2996, 0.3766



41.3940, 0.2479, 0.2860



41.3940, 0.3231, 0.2874

Rectangle

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



41.3940, 0.3818, 0.3673



41.3940, 0.3459, 0.3923



41.3940, 0.2479, 0.2860



41.3940, 0.2778, 0.2717

Sweetspot

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



41.3959, 0.3818, 0.3673



89.3433, 0.3293, 0.3395



33.3036, 0.3472, 0.2766



18.8186, 0.3318, 0.3410



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.



41.3959, 0.3818, 0.3673



61.3389, 0.4015, 0.3757



56.1407, 0.3672, 0.4090



11.9694, 0.3280, 0.3387



12.3499, 0.5635, 0.3908



0.7859, 0.5287, 0.4184

Inverse Universe

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



40.5618, 0.2582, 0.2870



59.7698, 0.2466, 0.2761



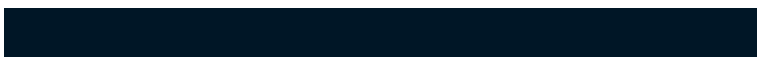
28.2795, 0.2511, 0.2340



11.9124, 0.2983, 0.3191



11.2269, 0.1854, 0.1875



0.7270, 0.1939, 0.2180

Previews

White Background



This preview shows how the Yxy color 41.3940, 0.3818, 0.3673 looks on a white background.

Color Contrast Check

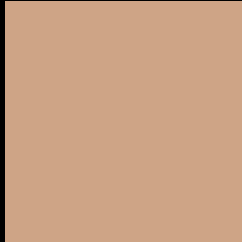
Large Text (above 18pt) WCAG AA × Fail

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 41.3940, 0.3818, 0.3673 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

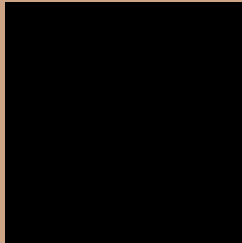
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.3940, 0.3818, 0.3673

Background



This preview shows how black text looks on a background with the Yxy color 41.3940, 0.3818, 0.3673.



This preview shows how white text looks on a background with the Yxy color 41.3940, 0.3818, 0.3673.

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

41.3940, 0.3818, 0.3673

Protanopia

41.4073, 0.3525, 0.3755

Deuteranopia

41.5502, 0.3770, 0.3704



Tritanopia

41.4382, 0.3514, 0.3143

Trichromacy



Original Color

41.3940, 0.3818, 0.3673

Protanomaly

41.2584, 0.3622, 0.3718

Deuteranomaly

41.3280, 0.3784, 0.3690

Tritanomaly

41.5137, 0.3626, 0.3329

Monochromacy



Original Color

41.3940, 0.3818, 0.3673

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

41.5669, 0.3362, 0.3438

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.3940, 0.3818, 0.3673 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, 164, 134)` looks like.

```
.text, #text, p{  
    color:rgb(206, 164, 134)  
}
```

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, 164, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 164, 134) }
```

Border

The CSS property to change the border of an element to Yxy 41.3940, 0.3818, 0.3673 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, 164, 134) }
```

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

```
.border{ border-color:rgb(206, 164, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 164, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 164, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 164, 134);  
box-shadow:4px 4px 4px 4px rgb(206, 164,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 41.3940, 0.3818, 0.3673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 164, 134) }
```

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

```
.background{ background-color: rgb(206,  
164, 134) }
```

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