

Converting Colors

$Y_{xy}(47.5419, 0.3734, 0.3840)$

Have a look what the booklet for
Yxy(47.5419, 0.3734, 0.3840)
contains.

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Color

Yxy(47.5419, 0.3734, 0.3840)

Conversions

Conversions Part 1

Format	Color
Hex	CEB488
RGB	206, 180, 136
RGB Percent	81%, 71%, 53%
CMY	0.1920, 0.2942, 0.4666
CMYK	0.00, 0.13, 0.34, 0.19
HSL	38°, 42%, 67%
HSV	38°, 34%, 81%
XYZ	46.2295, 47.5419, 30.0356
YIQ	182.7580, 29.6200, -8.1720

Conversions

Conversions Part 2

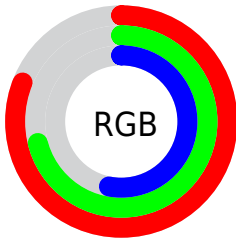
Format	Color
RYB	177, 206, 136
Decimal	13546632
CIELab	74.54, 2.98, 25.90
CIELCh	75, 26.072, 83.441
Yxy	47.5419, 0.3734, 0.3840
Android (android.graphics.Color)	4291736712 (0xFFCEB488)
YUV	182.7580, -23.0517, 20.3832
Hunter-Lab	68.9506, -0.9842, 22.4381

Details

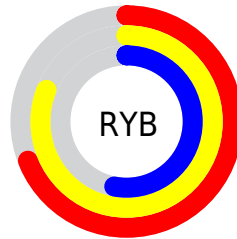
The Yxy color $47.5419, 0.3734, 0.3840$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $35.5601, 0.2569, 0.2668$, and the grayscale version is $47.3349, 0.3127, 0.3290$.

A 20% lighter version of the original color is $84.9686, 0.3557, 0.3754$, and $22.4299, 0.3904, 0.3975$ is the 20% darker color. If you saturate the color by 10%, you get $44.0030, 0.3947, 0.4002$, and if you desaturate by 10%, it is $51.3691, 0.3535, 0.3674$.

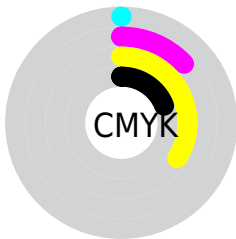
Distribution



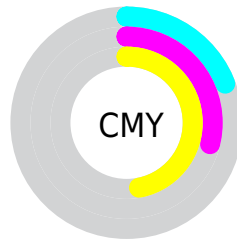
- Red (81%)
- Green (71%)
- Blue (53%)



- Red (69%)
- Yellow (81%)
- Blue (53%)



- Cyan (0%)
- Magenta (13%)
- Yellow (34%)
- Black (19%)





- Cyan (19%)
- Magenta (29%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.5419, 0.3734, 0.3840 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 47.5419, 0.3734, 0.3840 by changing the saturation by 10% instead.


 47.5419, 0.3734,
0.3840


 47.5419, 0.3734,
0.3840


376.9734, 0.3433,
0.3571

 33.4643, 0.3807,
0.3904

 86.5219, 0.3626,
0.3744

 22.4823, 0.3900,
0.3985


 112.1931, 0.3585,
0.3707

 14.2117, 0.4020,
0.4088


 142.4976, 0.3550,
0.3676

 8.2681, 0.4181,
0.4223

177.8198, 0.3520,
0.3649

 4.2670, 0.4402,
0.4403

218.5441, 0.3494,
0.3626

 1.8240, 0.5041,
0.4959

265.0549, 0.3471,

 0.5021, 0.5227,

0.3605

0.4773

317.7365, 0.3451,
0.3587

0.0000, 0.0000,
0.0000

47.5419, 0.3734,
0.3840

47.5419, 0.3734,
0.3840

44.0030, 0.3947,
0.4002

51.3691, 0.3535,
0.3674

40.7365, 0.4169,
0.4151

55.4867, 0.3353,
0.3509

37.7348, 0.4392,
0.4276

59.9049, 0.3188,
0.3351

34.9869, 0.4606,
0.4365

64.6316, 0.3041,
0.3201

32.4806, 0.4799,
0.4408

69.6741, 0.2910,
0.3062

■ 30.2018, 0.4961,
0.4399

■ 74.7371, 0.2820,
0.2980

■ 28.9286, 0.5046,
0.4375

■ 79.0007, 0.2825,
0.3064

■ 83.4530, 0.2830,
0.3146

■ 88.0966, 0.2835,
0.3227

Harmonies

Analogous

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



47.5419, 0.3850, 0.3603



47.5419, 0.3734, 0.3840



47.5419, 0.3455, 0.3941

Triad

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



47.5419, 0.3734, 0.3840



47.5419, 0.2531, 0.3219



47.5419, 0.3124, 0.2810

Complementary

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



47.5419, 0.3734, 0.3840



35.5601, 0.2569, 0.2668

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.



47.5419, 0.2780, 0.2704



47.5419, 0.3734, 0.3840



47.5419, 0.2453, 0.2915

Square

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



47.5419, 0.3734, 0.3840



47.5419, 0.2761, 0.3570



47.5419, 0.2542, 0.2736



47.5419, 0.3487, 0.3026

Rectangle

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



47.5419, 0.3734, 0.3840



47.5419, 0.3219, 0.3900



47.5419, 0.2542, 0.2736



47.5419, 0.3002, 0.2760

Sweetspot

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



47.5441, 0.3734, 0.3840



92.5596, 0.3287, 0.3447



33.3794, 0.3613, 0.2951



19.5965, 0.3311, 0.3470



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.



47.5441, 0.3734, 0.3840



72.6371, 0.3893, 0.3963



57.9338, 0.3567, 0.4151



12.3677, 0.3275, 0.3435



17.9951, 0.5030, 0.4388



1.0708, 0.4826, 0.4550

Inverse Universe

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



35.5601, 0.2569, 0.2668



50.2948, 0.2437, 0.2502



28.0154, 0.2588, 0.2303



11.5165, 0.2983, 0.3140



6.1544, 0.1666, 0.1197



0.4620, 0.1777, 0.1597

Previews

White Background



This preview shows how the Yxy color 47.5419, 0.3734, 0.3840 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 47.5419, 0.3734, 0.3840 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 47.5419, 0.3734, 0.3840

Background



This preview shows how black text looks on a background with the Yxy color 47.5419, 0.3734, 0.3840.



This preview shows how white text looks on a background with the Yxy color 47.5419, 0.3734, 0.3840.

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

47.5419, 0.3734, 0.3840

Protanopia

47.5434, 0.3630, 0.3881

Deuteranopia

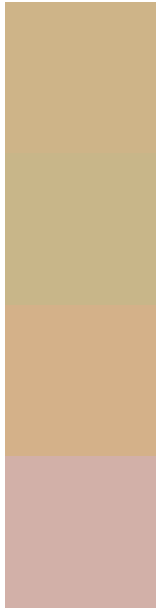
47.4557, 0.3835, 0.3764



Tritanopia

47.4720, 0.3359, 0.3123

Trichromacy



Original Color

47.5419, 0.3734, 0.3840

Protanomaly

47.5414, 0.3661, 0.3863

Deuteranomaly

47.2475, 0.3793, 0.3782

Tritanomaly

47.5795, 0.3503, 0.3389

Monochromacy



Original Color

47.5419, 0.3734, 0.3840

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.2854, 0.3335, 0.3497

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.5419, 0.3734, 0.3840 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, 180, 136)` looks like.

```
.text, #text, p{  
    color:rgb(206, 180, 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(206, 180, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 180, 136) }
```

Border

The CSS property to change the border of an element to Yxy 47.5419, 0.3734, 0.3840 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, 180, 136) }
```

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

```
.border{ border-color:rgb(206, 180, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 180, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 180, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 180, 136);  
box-shadow:4px 4px 4px 4px rgb(206, 180,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 47.5419, 0.3734, 0.3840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 180, 136) }
```

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

```
.background{ background-color: rgb(206,  
180, 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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