

Converting Colors

$Yxy(46.9686, 0.3737, 0.3843)$

Have a look what the booklet for
Yxy(46.9686, 0.3737, 0.3843)
contains.

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Color

Yxy(46.9686, 0.3737, 0.3843)

Conversions

Conversions Part 1

Format	Color
Hex	CDB387
RGB	205, 179, 135
RGB Percent	80%, 70%, 53%
CMY	0.1960, 0.2980, 0.4706
CMYK	0.00, 0.13, 0.34, 0.20
HSL	38°, 41%, 67%
HSV	38°, 34%, 80%
XYZ	45.6731, 46.9686, 29.5769
YIQ	181.7580, 29.6200, -8.1720

Conversions

Conversions Part 2

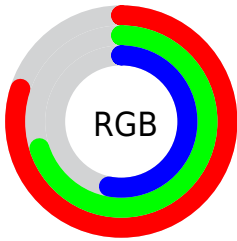
Format	Color
RYB	176, 205, 135
Decimal	13480839
CIELab	74.17, 2.97, 25.94
CIELCh	74, 26.107, 83.470
Yxy	46.9686, 0.3737, 0.3843
Android (android.graphics.Color)	4291670919 (0xFFCDB387)
YUV	181.7580, -23.0517, 20.3832
Hunter-Lab	68.5336, -0.9756, 22.3859

Details

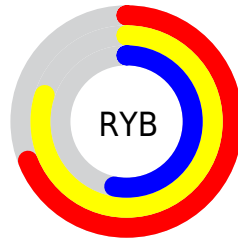
The Yxy color $46.9686, 0.3737, 0.3843$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $35.0520, 0.2566, 0.2664$, and the grayscale version is $46.7579, 0.3127, 0.3290$.

A 20% lighter version of the original color is $84.3508, 0.3566, 0.3754$, and $22.0616, 0.3910, 0.3979$ is the 20% darker color. If you saturate the color by 10%, you get $43.4782, 0.3950, 0.4005$, and if you desaturate by 10%, it is $50.7432, 0.3538, 0.3676$.

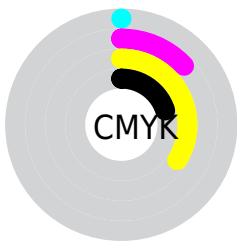
Distribution



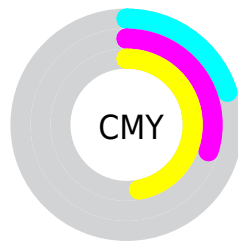
- Red (80%)
- Green (70%)
- Blue (53%)



- Red (69%)
- Yellow (80%)
- Blue (53%)



- Cyan (0%)
- Magenta (13%)
- Yellow (34%)
- Black (20%)




- Cyan (20%)
- Magenta (30%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9686, 0.3737, 0.3843 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 46.9686, 0.3737, 0.3843 by changing the saturation by 10% instead.


 46.9686, 0.3737,
0.3843


 46.9686, 0.3737,
0.3843


374.6892, 0.3434,
0.3572


 33.0108, 0.3811,
0.3908


 85.6668, 0.3628,
0.3746

 22.1347, 0.3905,
0.3989


 111.1759, 0.3587,
0.3709

 13.9559, 0.4026,
0.4094

 141.3044, 0.3552,
0.3678

 8.0900, 0.4189,
0.4230

176.4364, 0.3521,
0.3651

 4.1526, 0.4413,
0.4412

216.9566, 0.3495,
0.3627

 1.7593, 0.5042,
0.4958

263.2491, 0.3472,

 0.4616, 0.5255,

0.3607

0.4745

315.6985, 0.3452,
0.3588

0.0000, 0.0000,
0.0000

46.9686, 0.3737,
0.3843

46.9686, 0.3737,
0.3843

43.4782, 0.3950,
0.4005

50.7432, 0.3538,
0.3676

40.2565, 0.4172,
0.4154

54.8040, 0.3355,
0.3512

37.2957, 0.4395,
0.4278

59.1613, 0.3190,
0.3353

34.5851, 0.4608,
0.4367

63.8227, 0.3043,
0.3204

32.1127, 0.4800,
0.4409

68.7956, 0.2912,
0.3064

■ 29.8643, 0.4961,
0.4400

■ 73.8919, 0.2813,
0.2966

■ 28.6410, 0.5044,
0.4377

■ 78.0957, 0.2818,
0.3049

■ 82.4854, 0.2823,
0.3131

■ 87.0634, 0.2828,
0.3212

Harmonies

Analogous

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



46.9686, 0.3854, 0.3605



46.9686, 0.3737, 0.3843



46.9686, 0.3456, 0.3944

Triad

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



46.9686, 0.3737, 0.3843



46.9686, 0.2527, 0.3218



46.9686, 0.3124, 0.2807

Complementary

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



46.9686, 0.3737, 0.3843



35.0520, 0.2566, 0.2664

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.



46.9686, 0.2779, 0.2701



46.9686, 0.3737, 0.3843



46.9686, 0.2450, 0.2913

Square

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



46.9686, 0.3737, 0.3843



46.9686, 0.2759, 0.3571



46.9686, 0.2539, 0.2733



46.9686, 0.3490, 0.3025

Rectangle

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



46.9686, 0.3737, 0.3843



46.9686, 0.3219, 0.3903



46.9686, 0.2539, 0.2733



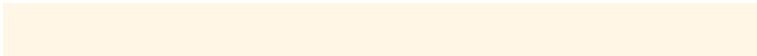
46.9686, 0.3002, 0.2758

Sweetspot

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



46.9708, 0.3737, 0.3843



92.5684, 0.3287, 0.3447



32.9102, 0.3616, 0.2949



19.5986, 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.



46.9708, 0.3737, 0.3843



72.6677, 0.3893, 0.3963



57.2697, 0.3569, 0.4155



12.3688, 0.3275, 0.3435



18.0142, 0.5029, 0.4389



1.0717, 0.4824, 0.4551

Inverse Universe

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



35.0520, 0.2566, 0.2664



50.2690, 0.2437, 0.2501



27.5886, 0.2585, 0.2297



11.5154, 0.2983, 0.3140



6.1441, 0.1666, 0.1195



0.4614, 0.1777, 0.1595

Previews

White Background



This preview shows how the Yxy color 46.9686, 0.3737, 0.3843 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 46.9686, 0.3737, 0.3843 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

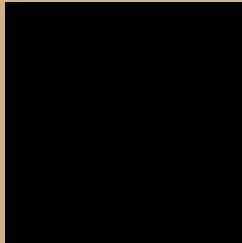
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.9686, 0.3737, 0.3843

Background



This preview shows how black text looks on a background with the Yxy color 46.9686, 0.3737, 0.3843.



This preview shows how white text looks on a background with the Yxy color 46.9686, 0.3737, 0.3843.

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

46.9686, 0.3737, 0.3843

Protanopia

46.9692, 0.3633, 0.3883

Deuteranopia

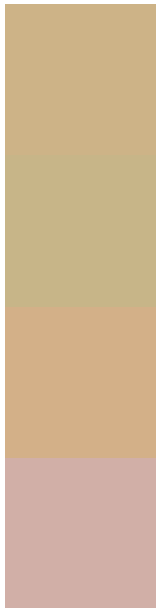
46.8846, 0.3839, 0.3766



Tritanopia

46.8991, 0.3360, 0.3122

Trichromacy



Original Color

46.9686, 0.3737, 0.3843

Protanomaly

46.9674, 0.3664, 0.3866

Deuteranomaly

46.6771, 0.3797, 0.3784

Tritanomaly

47.0053, 0.3505, 0.3390

Monochromacy



Original Color

46.9686, 0.3737, 0.3843

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.7115, 0.3336, 0.3498

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9686, 0.3737, 0.3843 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(205, 179, 135)` looks like.

```
.text, #text, p{  
    color:rgb(205, 179, 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(205, 179, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 179, 135) }
```

Border

The CSS property to change the border of an element to Yxy 46.9686, 0.3737, 0.3843 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(205, 179, 135) }
```

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

```
.border{ border-color:rgb(205, 179, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 179, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 179, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 179, 135);  
box-shadow:4px 4px 4px 4px rgb(205, 179,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9686, 0.3737, 0.3843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 179, 135) }
```

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

```
.background{ background-color: rgb(205,  
179, 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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