

Converting Colors

$Y_{xy}(47.5365, 0.3570, 0.3622)$

Have a look what the booklet for
Yxy(47.5365, 0.3570, 0.3622)
contains.

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Color

Yxy(47.3775, 0.3571, 0.3618)

Conversions

Conversions Part 1

Format	Color
Hex	CCB399
RGB	204, 179, 153
RGB Percent	80%, 70%, 60%
CMY	0.2002, 0.2980, 0.4001
CMYK	0.00, 0.12, 0.25, 0.20
HSL	31°, 33%, 70%
HSV	31°, 25%, 80%
XYZ	46.7620, 47.3775, 36.8099
YIQ	183.5110, 23.2460, -2.7860

Conversions

Conversions Part 2

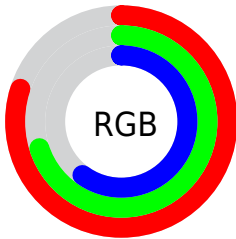
Format	Color
RYB	202, 204, 153
Decimal	13415321
CIELab	74.43, 4.93, 16.59
CIELCh	74, 17.307, 73.442
Yxy	47.3775, 0.3571, 0.3618
Android (android.graphics.Color)	4291605401 (0xFFCCB399)
YUV	183.5110, -15.0419, 17.9689
Hunter-Lab	68.8313, 0.8130, 16.4746

Details

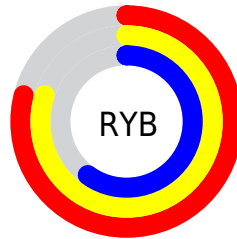
The Yxy color $47.3775, 0.3571, 0.3618$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $42.9380, 0.2732, 0.2938$, and the grayscale version is $47.7222, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.1817, 0.3447, 0.3571$, and $22.2706, 0.3695, 0.3698$ is the 20% darker color. If you saturate the color by 10%, you get $42.9057, 0.3790, 0.3756$, and if you desaturate by 10%, it is $52.2582, 0.3376, 0.3482$.

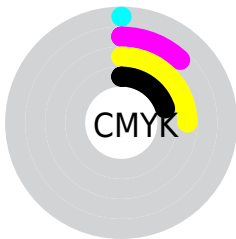
Distribution



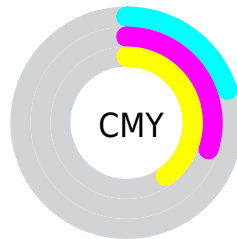
- Red (80%)
- Green (70%)
- Blue (60%)



- Red (79%)
- Yellow (80%)
- Blue (60%)



- Cyan (0%)
- Magenta (12%)
- Yellow (25%)
- Black (20%)





- Cyan (20%)
- Magenta (30%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.3775, 0.3571, 0.3618 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 47.3775, 0.3571, 0.3618 by changing the saturation by 10% instead.

 47.3775, 0.3571,
0.3618


 47.3775, 0.3571,
0.3618


376.3193, 0.3349,
0.3457

 33.3342, 0.3626,
0.3657


 86.2768, 0.3490,
0.3560

 22.3826, 0.3697,
0.3706


 111.9016, 0.3460,
0.3539

 14.1383, 0.3791,
0.3770


142.1557, 0.3434,
0.3520

 8.2169, 0.3920,
0.3856

177.4235, 0.3412,
0.3504

 4.2341, 0.4109,
0.3976

218.0894, 0.3393,
0.3490

 1.8053, 0.4456,
0.4197

264.5377, 0.3377,

 0.4905, 0.5446,

0.3478

0.4554

317.1529, 0.3362,
0.3467

0.0000, 0.0000,
0.0000

47.3775, 0.3571,
0.3618

47.3775, 0.3571,
0.3618

42.9057, 0.3790,
0.3756

52.2582, 0.3376,
0.3482

38.8245, 0.4031,
0.3890

57.5528, 0.3205,
0.3352

35.1233, 0.4291,
0.4011

63.2742, 0.3054,
0.3230

31.7887, 0.4560,
0.4108

69.4327, 0.2923,
0.3116

28.8059, 0.4827,
0.4169

76.0384, 0.2809,
0.3012

■ 26.1588, 0.5075,
0.4182

■ 81.7192, 0.2816,
0.3119

■ 23.8288, 0.5288,
0.4140

■ 87.7203, 0.2823,
0.3225

■ 22.7683, 0.5385,
0.4106

■ 91.5715, 0.2827,
0.3289

Harmonies

Analogous

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



47.3775, 0.3601, 0.3444



47.3775, 0.3571, 0.3618



47.3775, 0.3420, 0.3712

Triad

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



47.3775, 0.3571, 0.3618



47.3775, 0.2768, 0.3325



47.3775, 0.3047, 0.2929

Complementary

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



47.3775, 0.3571, 0.3618



42.9380, 0.2732, 0.2938

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.



47.3775, 0.2832, 0.2889



47.3775, 0.3571, 0.3618



47.3775, 0.2676, 0.3106

Square

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



47.3775, 0.3571, 0.3618



47.3775, 0.2955, 0.3542



47.3775, 0.2699, 0.2950



47.3775, 0.3291, 0.3056

Rectangle

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



47.3775, 0.3571, 0.3618



47.3775, 0.3273, 0.3709



47.3775, 0.2699, 0.2950



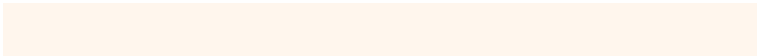
47.3775, 0.2969, 0.2905

Sweetspot

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



47.3797, 0.3571, 0.3618



93.4576, 0.3239, 0.3379



38.8423, 0.3393, 0.2971



19.8866, 0.3249, 0.3387



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.



47.3797, 0.3571, 0.3618



74.4173, 0.3686, 0.3692



58.2967, 0.3501, 0.3909



12.1452, 0.3277, 0.3409



14.5241, 0.5364, 0.4123



0.9010, 0.5075, 0.4352

Inverse Universe

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



42.9380, 0.2732, 0.2938



65.8174, 0.2644, 0.2850



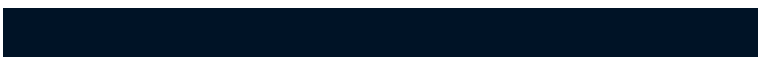
33.9059, 0.2701, 0.2586



11.7350, 0.2983, 0.3169



8.6418, 0.1766, 0.1555



0.5976, 0.1866, 0.1916

Previews

White Background



This preview shows how the Yxy color 47.3775, 0.3571, 0.3618 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 47.3775, 0.3571, 0.3618 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

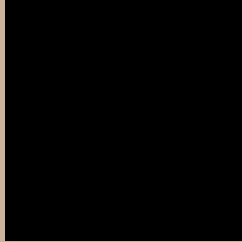
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.3775, 0.3571, 0.3618

Background



This preview shows how black text looks on a background with the Yxy color 47.3775, 0.3571, 0.3618.



This preview shows how white text looks on a background with the Yxy color 47.3775, 0.3571, 0.3618.

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

47.3775, 0.3571, 0.3618

Protanopia

47.5710, 0.3443, 0.3653

Deuteranopia

47.2326, 0.3637, 0.3562



Tritanopia

47.3128, 0.3313, 0.3121

Trichromacy



Original Color

47.3775, 0.3571, 0.3618

Protanomaly

47.6593, 0.3490, 0.3649

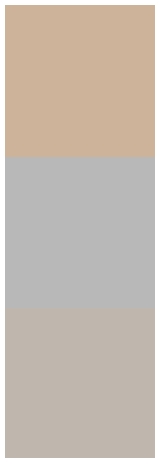
Deuteranomaly

47.1873, 0.3606, 0.3577

Tritanomaly

47.4112, 0.3414, 0.3303

Monochromacy



Original Color

47.3775, 0.3571, 0.3618

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.5494, 0.3278, 0.3406

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.3775, 0.3571, 0.3618 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(204, 179, 153)` looks like.

```
.text, #text, p{  
    color:rgb(204, 179, 153)  
}
```

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(204, 179, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 179, 153) }
```

Border

The CSS property to change the border of an element to Yxy 47.3775, 0.3571, 0.3618 is called "border". The border property can be set on classes, ids or directly on the HTML element.

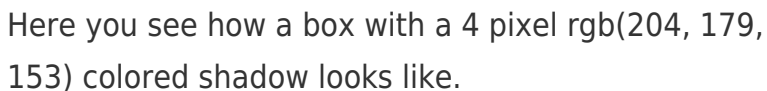
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(204, 179, 153) }
```

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

```
.border{ border-color:rgb(204, 179, 153) }
```

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



Here you see how a box with a 4 pixel `rgb(204, 179, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(204, 179, 153); -webkit-box-shadow:4px 4px 4px 4px rgb(204, 179, 153); box-shadow:4px 4px 4px 4px rgb(204, 179, 153) }
```


Background

The CSS property to change the background color of an element to Yxy 47.3775, 0.3571, 0.3618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 179, 153) }
```

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

```
.background{ background-color: rgb(204,  
179, 153) }
```

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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