

Converting Colors

$Y_{xy}(49.4508, 0.3314, 0.3295)$

Have a look what the booklet for
Yxy(49.4508, 0.3314, 0.3295)
contains.

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Color

Yxy(49.4886, 0.3317, 0.3303)

Conversions

Conversions Part 1

Format	Color
Hex	CBB6B5
RGB	203, 182, 181
RGB Percent	80%, 71%, 71%
CMY	0.2039, 0.2863, 0.2902
CMYK	0.00, 0.10, 0.11, 0.20
HSL	3°, 17%, 75%
HSV	3°, 11%, 80%
XYZ	49.6984, 49.4886, 50.6423
YIQ	188.1650, 12.8370, 4.1410

Conversions

Conversions Part 2

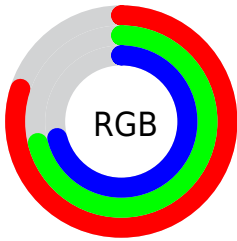
Format	Color
R _Y B	203, 182, 181
Decimal	13350581
CIE Lab	75.75, 7.32, 3.24
CIE LCh	76, 8.006, 23.864
Yxy	49.4886, 0.3317, 0.3303
Android (android.graphics.Color)	4291540661 (0xFFCBB6B5)
YUV	188.1650, -3.5323, 13.0103
Hunter-Lab	70.3481, 2.9944, 6.5619

Details

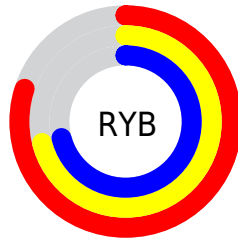
The Yxy color **49.4886, 0.3317, 0.3303** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **56.3755, 0.2962, 0.3277**, and the grayscale version is **50.4045, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5235, 0.3247, 0.3300**, and **23.6486, 0.3376, 0.3307** is the 20% darker color. If you saturate the color by 10%, you get **41.3254, 0.3536, 0.3316**, and if you desaturate by 10%, it is **58.8747, 0.3140, 0.3291**.

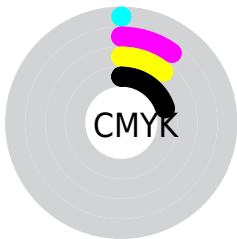
Distribution



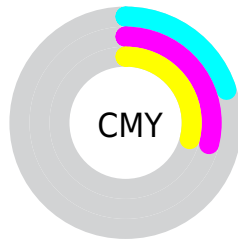
- Red (80%)
- Green (71%)
- Blue (71%)



- Red (80%)
- Yellow (71%)
- Blue (71%)



- Cyan (0%)
- Magenta (10%)
- Yellow (11%)
- Black (20%)





- Cyan (20%)
- Magenta (29%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.4886, 0.3317, 0.3303 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 49.4886, 0.3317, 0.3303 by changing the saturation by 10% instead.


 49.4886, 0.3317,
0.3303

 49.4886, 0.3317,
0.3303


384.6627, 0.3223,
0.3297

 35.0072, 0.3340,
0.3304


 89.4167, 0.3283,
0.3301

 23.6684, 0.3370,
0.3306


115.6322, 0.3270,
0.3300

 15.0879, 0.3410,
0.3307


146.5279, 0.3259,
0.3300

 8.8811, 0.3465,
0.3309


182.4881, 0.3250,
0.3299

 4.6637, 0.3548,
0.3312

223.8974, 0.3242,
0.3299

 2.0513, 0.3682,
0.3313

271.1399, 0.3235,

 0.6370, 0.4153,

0.3298

0.3373

324.6002, 0.3228,
0.3298

0.0000, 0.0000,
0.0000

49.4886, 0.3317,
0.3303

49.4886, 0.3317,
0.3303

41.3254, 0.3536,
0.3316

58.8747, 0.3140,
0.3291

34.3285, 0.3808,
0.3330

69.5243, 0.2998,
0.3280

28.4467, 0.4139,
0.3343

81.4840, 0.2883,
0.3270

23.6225, 0.4533,
0.3354

91.4383, 0.2822,
0.3289

19.7930, 0.4980,
0.3362

■ 16.8889, 0.5447,
0.3362

■ 14.8318, 0.5877,
0.3354

■ 13.5307, 0.6199,
0.3336

■ 12.9010, 0.6371,
0.3323

Harmonies

Analogous

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



49.4886, 0.3239, 0.3210



49.4886, 0.3317, 0.3303



49.4886, 0.3344, 0.3395

Triad

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



49.4886, 0.3317, 0.3303



49.4886, 0.3121, 0.3450



49.4886, 0.2946, 0.3119

Complementary

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



49.4886, 0.3317, 0.3303



56.3755, 0.2962, 0.3277

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.



49.4886, 0.2915, 0.3180



49.4886, 0.3317, 0.3303



49.4886, 0.3015, 0.3372

Square

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



49.4886, 0.3317, 0.3303



49.4886, 0.3229, 0.3482



49.4886, 0.2941, 0.3273



49.4886, 0.3024, 0.3105

Rectangle

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



49.4886, 0.3317, 0.3303



49.4886, 0.3328, 0.3443



49.4886, 0.2941, 0.3273



49.4886, 0.2930, 0.3135

Sweetspot

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



49.4908, 0.3317, 0.3303



94.9487, 0.3176, 0.3294



50.0190, 0.3145, 0.3034



20.0410, 0.3190, 0.3295



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.



49.4908, 0.3317, 0.3303



79.5019, 0.3364, 0.3306



54.0568, 0.3302, 0.3433



11.2950, 0.3289, 0.3301



8.2455, 0.6363, 0.3330



0.4550, 0.6238, 0.3429

Inverse Universe

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



56.3755, 0.2962, 0.3277



93.2767, 0.2928, 0.3274



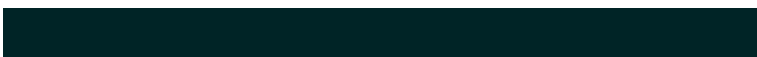
51.5128, 0.2960, 0.3142



12.6351, 0.2984, 0.3279



27.2402, 0.2208, 0.3147



1.4332, 0.2216, 0.3177

Previews

White Background



This preview shows how the Yxy color 49.4886, 0.3317, 0.3303 looks on a white background.

Color Contrast Check

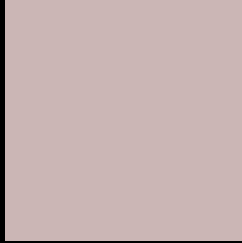
Large Text (above 18pt) WCAG AA × Fail

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 49.4886, 0.3317, 0.3303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

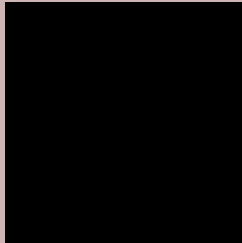
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.4886, 0.3317, 0.3303

Background



This preview shows how black text looks on a background with the Yxy color 49.4886, 0.3317, 0.3303.



This preview shows how white text looks on a background with the Yxy color 49.4886, 0.3317, 0.3303.

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

49.4886, 0.3317, 0.3303

Protanopia

49.6131, 0.3193, 0.3328

Deuteranopia

49.6493, 0.3353, 0.3291



Tritanopia

49.5167, 0.3230, 0.3121

Trichromacy



Original Color

49.4886, 0.3317, 0.3303

Protanomaly

49.6774, 0.3236, 0.3328

Deuteranomaly

49.5058, 0.3345, 0.3291

Tritanomaly

49.5592, 0.3261, 0.3193

Monochromacy



Original Color

49.4886, 0.3317, 0.3303

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

49.9581, 0.3194, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.4886, 0.3317, 0.3303 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(203, 182, 181)` looks like.

```
.text, #text, p{  
    color:rgb(203, 182, 181)  
}
```

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(203, 182, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 182, 181) }
```

Border

The CSS property to change the border of an element to Yxy 49.4886, 0.3317, 0.3303 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(203, 182, 181) }
```

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

```
.border{ border-color:rgb(203, 182, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 182, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 182, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 182, 181);  
box-shadow:4px 4px 4px 4px rgb(203, 182,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 49.4886, 0.3317, 0.3303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 182, 181) }
```

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

```
.background{ background-color: rgb(203,  
182, 181) }
```

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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