

Converting Colors

$Y_{xy}(47.9735, 0.3451, 0.3449)$

Have a look what the booklet for
Yxy(47.9735, 0.3451, 0.3449)
contains.

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Color

Yxy(47.8676, 0.3450, 0.3440)

Conversions

Conversions Part 1

Format	Color
Hex	CCB3A7
RGB	204, 179, 167
RGB Percent	80%, 70%, 65%
CMY	0.1998, 0.2981, 0.3450
CMYK	0.00, 0.12, 0.18, 0.20
HSL	19°, 27%, 73%
HSV	19°, 18%, 80%
XYZ	48.0068, 47.8676, 43.2757
YIQ	185.1070, 18.7520, 1.5680

Conversions

Conversions Part 2

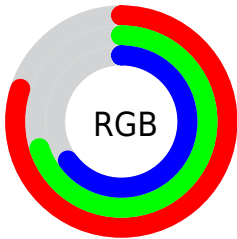
Format	Color
RYB	204, 185, 167
Decimal	13415335
CIELab	74.74, 7.06, 9.40
CIElCh	75, 11.761, 53.083
Yxy	47.8676, 0.3450, 0.3440
Android (android.graphics.Color)	4291605415 (0xFFCCB3A7)
YUV	185.1070, -8.9268, 16.5692
Hunter-Lab	69.1864, 2.7805, 11.3450

Details

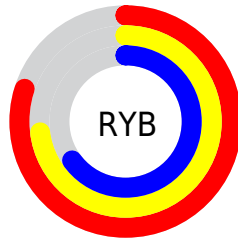
The Yxy color $47.8676, 0.3450, 0.3440$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $50.3093, 0.2848, 0.3135$, and the grayscale version is $48.6251, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.9506, 0.3347, 0.3420$, and $22.5491, 0.3538, 0.3477$ is the 20% darker color. If you saturate the color by 10%, you get $41.9138, 0.3674, 0.3529$, and if you desaturate by 10%, it is $54.4989, 0.3260, 0.3355$.

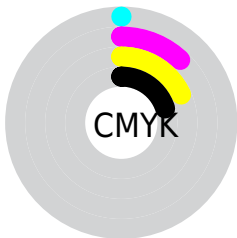
Distribution



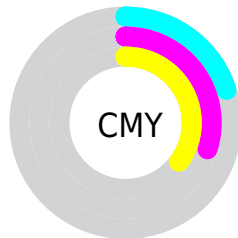
- Red (80%)
- Green (70%)
- Blue (65%)



- Red (80%)
- Yellow (73%)
- Blue (65%)



- Cyan (0%)
- Magenta (12%)
- Yellow (18%)
- Black (20%)





- Cyan (20%)
- Magenta (30%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.8676, 0.3450, 0.3440 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 47.8676, 0.3450, 0.3440 by changing the saturation by 10% instead.


 47.8676, 0.3450,
0.3440


 47.8676, 0.3450,
0.3440

378.2671, 0.3288,
0.3367

 33.7220, 0.3490,
0.3457


 87.0072, 0.3391,
0.3414

 22.6802, 0.3542,
0.3479


 112.7701, 0.3369,
0.3404

 14.3575, 0.3612,
0.3508


143.1742, 0.3350,
0.3396

 8.3697, 0.3708,
0.3546

178.6040, 0.3334,
0.3389

 4.3324, 0.3852,
0.3601

219.4437, 0.3321,
0.3382

 1.8612, 0.4088,
0.3681

266.0779, 0.3309,

 0.5249, 0.5612,

0.3377

0.4388

318.8909, 0.3298,
0.3372

0.0000, 0.0000,
0.0000

47.8676, 0.3450,
0.3440

47.8676, 0.3450,
0.3440

41.9138, 0.3674,
0.3529

54.4989, 0.3260,
0.3355

36.6094, 0.3935,
0.3617

61.8220, 0.3099,
0.3276

31.9334, 0.4234,
0.3701

69.8589, 0.2964,
0.3202

27.8614, 0.4567,
0.3771

78.6286, 0.2848,
0.3135

24.3672, 0.4924,
0.3816

87.2120, 0.2823,
0.3216

■ 21.4226, 0.5280,
0.3824

■ 91.5835, 0.2827,
0.3289

■ 18.9964, 0.5605,
0.3786

■ 17.0510, 0.5869,
0.3702

■ 16.7371, 0.5915,
0.3686

Harmonies

Analogous

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



47.8676, 0.3408, 0.3304



47.8676, 0.3450, 0.3440



47.8676, 0.3403, 0.3542

Triad

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



47.8676, 0.3450, 0.3440



47.8676, 0.2965, 0.3416



47.8676, 0.2970, 0.3016

Complementary

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



47.8676, 0.3450, 0.3440



50.3093, 0.2848, 0.3135

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.



47.8676, 0.2856, 0.3038



47.8676, 0.3450, 0.3440



47.8676, 0.2854, 0.3266

Square

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



47.8676, 0.3450, 0.3440



47.8676, 0.3121, 0.3532



47.8676, 0.2815, 0.3128



47.8676, 0.3127, 0.3064

Rectangle

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



47.8676, 0.3450, 0.3440



47.8676, 0.3328, 0.3574



47.8676, 0.2815, 0.3128



47.8676, 0.2925, 0.3016

Sweetspot

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



47.8698, 0.3450, 0.3440



93.8243, 0.3208, 0.3330



44.3068, 0.3248, 0.2981



19.9016, 0.3220, 0.3336



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.



47.8698, 0.3450, 0.3440



75.0250, 0.3538, 0.3476



55.6824, 0.3411, 0.3659



11.7961, 0.3282, 0.3366



10.6807, 0.5889, 0.3706



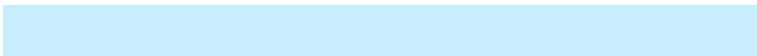
0.6888, 0.5503, 0.4013

Inverse Universe

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



50.3093, 0.2848, 0.3135



79.8361, 0.2785, 0.3096



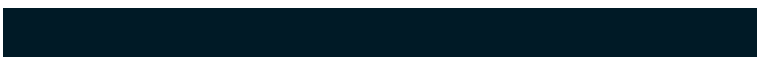
42.7756, 0.2836, 0.2892



12.0916, 0.2983, 0.3213



14.3668, 0.1946, 0.2207



0.8751, 0.2012, 0.2443

Previews

White Background



This preview shows how the Yxy color 47.8676, 0.3450, 0.3440 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 47.8676, 0.3450, 0.3440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

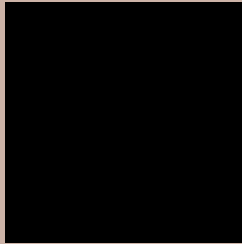
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.8676, 0.3450, 0.3440

Background



This preview shows how black text looks on a background with the Yxy color 47.8676, 0.3450, 0.3440.



This preview shows how white text looks on a background with the Yxy color 47.8676, 0.3450, 0.3440.

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

47.8676, 0.3450, 0.3440

Protanopia

47.8079, 0.3309, 0.3471

Deuteranopia

47.6442, 0.3491, 0.3414



Tritanopia

47.9902, 0.3293, 0.3133

Trichromacy



Original Color

47.8676, 0.3450, 0.3440

Protanomaly

48.0188, 0.3363, 0.3469

Deuteranomaly

47.8962, 0.3479, 0.3427

Tritanomaly

47.9023, 0.3351, 0.3242

Monochromacy



Original Color

47.8676, 0.3450, 0.3440

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.2878, 0.3244, 0.3354

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8676, 0.3450, 0.3440 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, 167)` looks like.

```
.text, #text, p{  
    color:rgb(204, 179, 167)  
}
```

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, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 179, 167) }
```

Border

The CSS property to change the border of an element to Yxy 47.8676, 0.3450, 0.3440 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, 167) }
```

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

```
.border{ border-color:rgb(204, 179, 167) }
```

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, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 179, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 179, 167);  
box-shadow:4px 4px 4px 4px rgb(204, 179,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8676, 0.3450, 0.3440 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, 167) }
```

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

```
.background{ background-color: rgb(204,  
179, 167) }
```

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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