

Converting Colors

$Y_{xy}(49.7976, 0.33337, 0.3481)$

Have a look what the booklet for
Yxy(49.7976, 0.3337, 0.3481)
contains.

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Color

Yxy(49.7938, 0.3332, 0.3480)

Conversions

Conversions Part 1

Format	Color
Hex	C4BAAB
RGB	196, 186, 171
RGB Percent	77%, 73%, 67%
CMY	0.2313, 0.2706, 0.3295
CMYK	0.00, 0.05, 0.13, 0.23
HSL	36°, 18%, 72%
HSV	36°, 13%, 77%
XYZ	47.6761, 49.7938, 45.6157
YIQ	187.2800, 10.7750, -2.5450

Conversions

Conversions Part 2

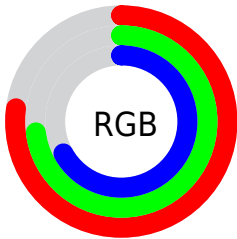
Format	Color
RYB	188, 196, 171
Decimal	12892843
CIELab	75.94, 0.97, 8.87
CIELCh	76, 8.923, 83.755
Yxy	49.7938, 0.3332, 0.3480
Android (android.graphics.Color)	4291082923 (0xFFC4BAAB)
YUV	187.2800, -8.0260, 7.6474
Hunter-Lab	70.5647, -2.8871, 11.0680

Details

The Yxy color **49.7938, 0.3332, 0.3480** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **45.6882, 0.2929, 0.3092**, and the grayscale version is **49.9035, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8779, 0.3299, 0.3448**, and **23.8578, 0.3384, 0.3530** is the 20% darker color. If you saturate the color by 10%, you get **45.8892, 0.3514, 0.3637**, and if you desaturate by 10%, it is **53.9950, 0.3169, 0.3330**.

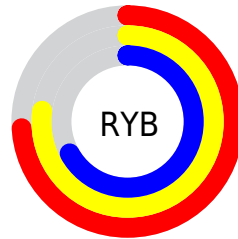
Distribution



Red (77%)

Green (73%)

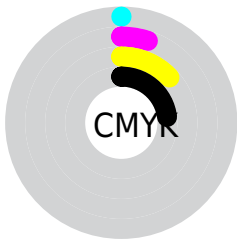
Blue (67%)



Red (74%)

Yellow (77%)

Blue (67%)

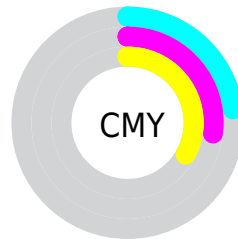


Cyan (0%)

Magenta (5%)

Yellow (13%)

Black (23%)



Cyan (23%)


Magenta (27%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.7938, 0.3332, 0.3480 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 49.7938, 0.3332, 0.3480 by changing the saturation by 10% instead.


 49.7938, 0.3332,
0.3480

 49.7938, 0.3332,
0.3480

385.8590, 0.3231,
0.3386

 35.2496, 0.3357,
0.3503


 89.8693, 0.3295,
0.3446

 23.8552, 0.3389,
0.3532


116.1693, 0.3282,
0.3433

 15.2262, 0.3431,
0.3571


147.1568, 0.3270,
0.3423

 8.9783, 0.3490,
0.3624

183.2161, 0.3260,
0.3413

 4.7270, 0.3576,
0.3702

224.7315, 0.3251,
0.3405

 2.0880, 0.3714,
0.3826

272.0876, 0.3243,

 0.6579, 0.4626,

0.3398

0.4689

325.6686, 0.3237,
0.3392

0.0000, 0.0000,
0.0000

49.7938, 0.3332,
0.3480

49.7938, 0.3332,
0.3480

45.8892, 0.3514,
0.3637

53.9950, 0.3169,
0.3330

42.2668, 0.3714,
0.3796

58.4936, 0.3024,
0.3189

38.9207, 0.3931,
0.3952

63.2989, 0.2896,
0.3058

35.8421, 0.4159,
0.4097

68.4175, 0.2783,
0.2937

33.0219, 0.4392,
0.4220

72.9220, 0.2758,
0.2966

■ 30.4497, 0.4620,
0.4309

■ 77.2650, 0.2765,
0.3053

■ 28.1143, 0.4829,
0.4353

■ 81.8054, 0.2772,
0.3139

■ 26.0028, 0.5009,
0.4346

■ 86.5456, 0.2778,
0.3223

■ 24.6012, 0.5122,
0.4315

■ 90.4781, 0.2784,
0.3289

Harmonies

Analogous

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



49.7938, 0.3368, 0.3406



49.7938, 0.3332, 0.3480



49.7938, 0.3241, 0.3504

Triad

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



49.7938, 0.3332, 0.3480



49.7938, 0.2920, 0.3271



49.7938, 0.3131, 0.3121

Complementary

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



49.7938, 0.3332, 0.3480



45.6882, 0.2929, 0.3092

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.



49.7938, 0.3012, 0.3084



49.7938, 0.3332, 0.3480



49.7938, 0.2892, 0.3168

Square

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



49.7938, 0.3332, 0.3480



49.7938, 0.3003, 0.3382



49.7938, 0.2925, 0.3100



49.7938, 0.3251, 0.3200

Rectangle

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



49.7938, 0.3332, 0.3480



49.7938, 0.3162, 0.3487



49.7938, 0.2925, 0.3100



49.7938, 0.3089, 0.3103

Sweetspot

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



49.7960, 0.3332, 0.3480



96.7844, 0.3189, 0.3349



44.2095, 0.3265, 0.3158



20.5886, 0.3201, 0.3360



0.0000, 0.0000, 0.0000



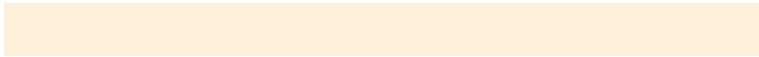
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.7960, 0.3332, 0.3480



88.3993, 0.3375, 0.3518



53.8875, 0.3299, 0.3604



11.0603, 0.3274, 0.3428



15.9764, 0.5105, 0.4328



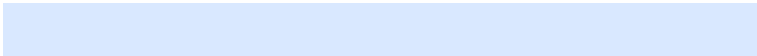
0.8222, 0.4850, 0.4531

Inverse Universe

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



45.6882, 0.2929, 0.3092



79.6759, 0.2890, 0.3051



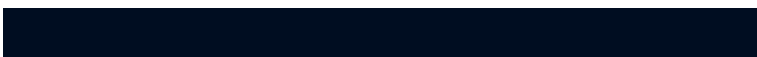
41.9964, 0.2944, 0.2959



10.3945, 0.2984, 0.3148



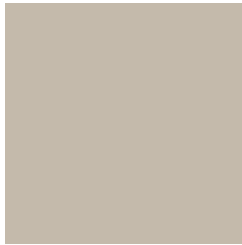
6.2580, 0.1689, 0.1281



0.4052, 0.1816, 0.1736

Previews

White Background



This preview shows how the Yxy color 49.7938, 0.3332, 0.3480 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 49.7938, 0.3332, 0.3480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

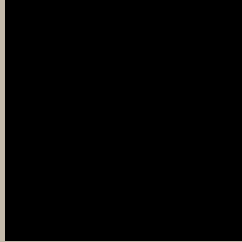
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

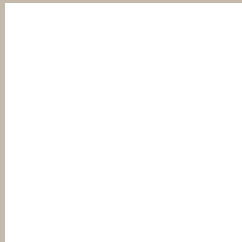
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.7938, 0.3332, 0.3480

Background



This preview shows how black text looks on a background with the Yxy color 49.7938, 0.3332, 0.3480.



This preview shows how white text looks on a background with the Yxy color 49.7938, 0.3332, 0.3480.

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

49.7938, 0.3332, 0.3480

Protanopia

49.9503, 0.3313, 0.3493

Deuteranopia

49.8752, 0.3465, 0.3400



Tritanopia

49.7665, 0.3161, 0.3107

Trichromacy



Original Color

49.7938, 0.3332, 0.3480

Protanomaly

50.0830, 0.3321, 0.3493

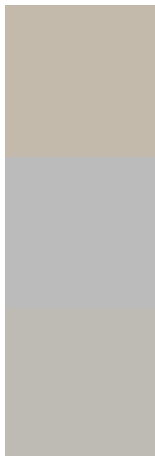
Deuteranomaly

49.9673, 0.3417, 0.3426

Tritanomaly

49.6399, 0.3224, 0.3229

Monochromacy



Original Color

49.7938, 0.3332, 0.3480

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.8240, 0.3199, 0.3366

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7938, 0.3332, 0.3480 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(196, 186, 171)` looks like.

```
.text, #text, p{  
    color:rgb(196, 186, 171)  
}
```

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(196, 186, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 186, 171) }
```

Border

The CSS property to change the border of an element to Yxy 49.7938, 0.3332, 0.3480 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(196, 186, 171) }
```

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

```
.border{ border-color:rgb(196, 186, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 186, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 186, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 186, 171);  
box-shadow:4px 4px 4px 4px rgb(196, 186,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7938, 0.3332, 0.3480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 186, 171) }
```

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

```
.background{ background-color: rgb(196,  
186, 171) }
```

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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