

Converting Colors

$Yxy(49.8395, 0.3420, 0.3468)$

Have a look what the booklet for
Yxy(49.8395, 0.3420, 0.3468)
contains.

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Color

Yxy(49.9829, 0.3422, 0.3476)

Conversions

Conversions Part 1

Format	Color
Hex	CCB8A9
RGB	204, 184, 169
RGB Percent	80%, 72%, 66%
CMY	0.2000, 0.2784, 0.3371
CMYK	0.00, 0.10, 0.17, 0.20
HSL	26°, 26%, 73%
HSV	26°, 17%, 80%
XYZ	49.2064, 49.9829, 44.6050
YIQ	188.2700, 16.7350, -0.4250

Conversions

Conversions Part 2

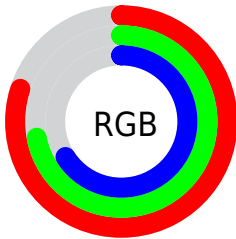
Format	Color
RYB	204, 195, 169
Decimal	13416617
CIELab	76.06, 4.68, 10.18
CIELCh	76, 11.206, 65.340
Yxy	49.9829, 0.3422, 0.3476
Android (android.graphics.Color)	4291606697 (0xFFCCB8A9)
YUV	188.2700, -9.5001, 13.7952
Hunter-Lab	70.6986, 0.5140, 12.0819

Details

The Yxy color **49.9829, 0.3422, 0.3476** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.2073, 0.2862, 0.3097**, and the grayscale version is **50.5011, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9620, 0.3328, 0.3448**, and **24.0010, 0.3510, 0.3524** is the 20% darker color. If you saturate the color by 10%, you get **44.6283, 0.3631, 0.3592**, and if you desaturate by 10%, it is **55.8614, 0.3241, 0.3365**.

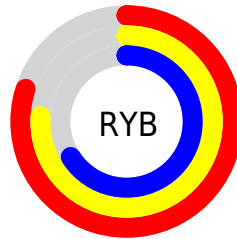
Distribution



Red (80%)

Green (72%)

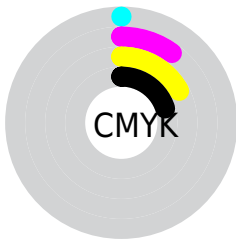
Blue (66%)



Red (80%)

Yellow (76%)

Blue (66%)

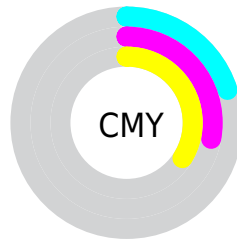


Cyan (0%)

Magenta (10%)

Yellow (17%)

Black (20%)



Cyan (20%)


Magenta (28%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.9829, 0.3422, 0.3476 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 49.9829, 0.3422, 0.3476 by changing the saturation by 10% instead.


 49.9829, 0.3422,
0.3476

 49.9829, 0.3422,
0.3476


386.5991, 0.3276,
0.3385

 35.3998, 0.3458,
0.3498


 90.1495, 0.3369,
0.3444

 23.9710, 0.3505,
0.3526


116.5019, 0.3349,
0.3431

 15.3121, 0.3566,
0.3562


147.5461, 0.3332,
0.3421

 9.0387, 0.3651,
0.3610

183.6666, 0.3318,
0.3412

 4.7665, 0.3775,
0.3680

225.2477, 0.3305,
0.3404

 2.1109, 0.3976,
0.3786

272.6739, 0.3294,

 0.6707, 0.5217,

0.3397

0.4656

326.3296, 0.3284,
0.3391

0.0000, 0.0000,
0.0000

49.9829, 0.3422,
0.3476

49.9829, 0.3422,
0.3476

44.6283, 0.3631,
0.3592

55.8614, 0.3241,
0.3365

39.7757, 0.3869,
0.3708

62.2714, 0.3085,
0.3261

35.4115, 0.4136,
0.3819

69.2291, 0.2951,
0.3164

31.5187, 0.4428,
0.3917

76.7477, 0.2835,
0.3076

28.0794, 0.4736,
0.3989

83.7639, 0.2819,
0.3156

■ 25.0739, 0.5042,
0.4023

■ 90.9454, 0.2826,
0.3279

■ 22.4810, 0.5324,
0.4006

■ 91.5778, 0.2827,
0.3289

■ 20.2750, 0.5563,
0.3937

■ 19.7074, 0.5628,
0.3914

Harmonies

Analogous

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



49.9829, 0.3417, 0.3357



49.9829, 0.3422, 0.3476



49.9829, 0.3346, 0.3549

Triad

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



49.9829, 0.3422, 0.3476



49.9829, 0.2925, 0.3352



49.9829, 0.3037, 0.3043

Complementary

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



49.9829, 0.3422, 0.3476



49.2073, 0.2862, 0.3097

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.



49.9829, 0.2909, 0.3037



49.9829, 0.3422, 0.3476



49.9829, 0.2846, 0.3211

Square

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



49.9829, 0.3422, 0.3476



49.9829, 0.3058, 0.3479



49.9829, 0.2840, 0.3097



49.9829, 0.3191, 0.3112

Rectangle

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



49.9829, 0.3422, 0.3476



49.9829, 0.3261, 0.3559



49.9829, 0.2840, 0.3097



49.9829, 0.2989, 0.3034

Sweetspot

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



49.9851, 0.3422, 0.3476



94.6412, 0.3207, 0.3343



44.9182, 0.3271, 0.3040



20.0998, 0.3218, 0.3351



0.0000, 0.0000, 0.0000



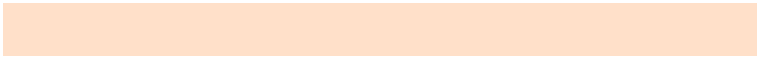
21.4041, 0.3127, 0.3290

Same Dimension

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



49.9851, 0.3422, 0.3476



79.0105, 0.3505, 0.3523



57.5180, 0.3388, 0.3679



11.9901, 0.3279, 0.3390



12.5805, 0.5603, 0.3933



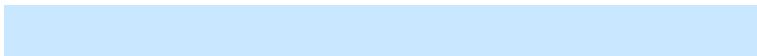
0.7986, 0.5262, 0.4204

Inverse Universe

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



49.2073, 0.2862, 0.3097



77.4564, 0.2796, 0.3045



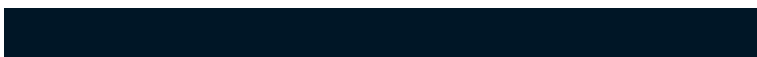
42.2825, 0.2851, 0.2869



11.8913, 0.2983, 0.3188



10.8919, 0.1844, 0.1836



0.7107, 0.1930, 0.2149

Previews

White Background



This preview shows how the Yxy color 49.9829, 0.3422, 0.3476 looks on a white background.

Color Contrast Check

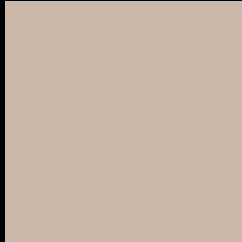
Large Text (above 18pt) WCAG AA × Fail

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 49.9829, 0.3422, 0.3476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

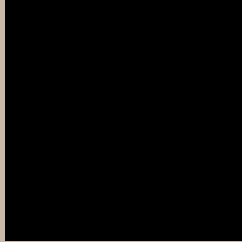
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.9829, 0.3422, 0.3476

Background



This preview shows how black text looks on a background with the Yxy color 49.9829, 0.3422, 0.3476.



This preview shows how white text looks on a background with the Yxy color 49.9829, 0.3422, 0.3476.

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

49.9829, 0.3422, 0.3476

Protanopia

50.0830, 0.3321, 0.3493

Deuteranopia

49.9471, 0.3492, 0.3424



Tritanopia

49.8030, 0.3247, 0.3122

Trichromacy



Original Color

49.9829, 0.3422, 0.3476

Protanomaly

50.0259, 0.3357, 0.3491

Deuteranomaly

49.9135, 0.3463, 0.3437

Tritanomaly

49.6723, 0.3311, 0.3242

Monochromacy



Original Color

49.9829, 0.3422, 0.3476

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

50.3462, 0.3233, 0.3366

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9829, 0.3422, 0.3476 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, 184, 169)` looks like.

```
.text, #text, p{  
    color:rgb(204, 184, 169)  
}
```

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, 184, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 184, 169) }
```

Border

The CSS property to change the border of an element to Yxy 49.9829, 0.3422, 0.3476 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, 184, 169) }
```

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

```
.border{ border-color:rgb(204, 184, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 184, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 184, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 184, 169);  
box-shadow:4px 4px 4px 4px rgb(204, 184,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9829, 0.3422, 0.3476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 184, 169) }
```

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

```
.background{ background-color: rgb(204,  
184, 169) }
```

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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