

Converting Colors

$Yxy(48.2669, 0.3421, 0.3407)$

Have a look what the booklet for
Yxy(48.2669, 0.3421, 0.3407)
contains.

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Color

Yxy(48.3822, 0.3422, 0.3415)

Conversions

Conversions Part 1

Format	Color
Hex	CCB4AA
RGB	204, 180, 170
RGB Percent	80%, 71%, 67%
CMY	0.1999, 0.2941, 0.3333
CMYK	0.00, 0.12, 0.17, 0.20
HSL	18°, 25%, 73%
HSV	18°, 17%, 80%
XYZ	48.4814, 48.3822, 44.8120
YIQ	186.0360, 17.5140, 1.9780

Conversions

Conversions Part 2

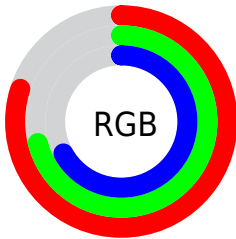
Format	Color
RYB	204, 184, 170
Decimal	13415594
CIELab	75.07, 6.98, 8.24
CIELCh	75, 10.798, 49.756
Yxy	48.3822, 0.3422, 0.3415
Android (android.graphics.Color)	4291605674 (0xFFCCB4AA)
YUV	186.0360, -7.9057, 15.7544
Hunter-Lab	69.5573, 2.6890, 10.4928

Details

The Yxy color **48.3822, 0.3422, 0.3415** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **51.4950, 0.2872, 0.3162**, and the grayscale version is **49.1637, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6871, 0.3326, 0.3399**, and **22.9708, 0.3511, 0.3442** is the 20% darker color. If you saturate the color by 10%, you get **42.1550, 0.3644, 0.3495**, and if you desaturate by 10%, it is **55.3378, 0.3235, 0.3338**.

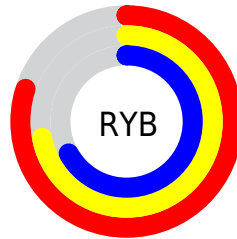
Distribution



Red (80%)

Green (71%)

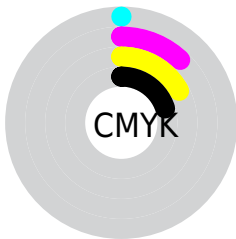
Blue (67%)



Red (80%)

Yellow (72%)

Blue (67%)

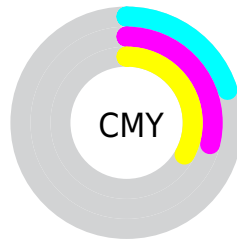


Cyan (0%)

Magenta (12%)

Yellow (17%)

Black (20%)



Cyan (20%)

Magenta (29%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.3822, 0.3422, 0.3415 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 48.3822, 0.3422, 0.3415 by changing the saturation by 10% instead.


 48.3822, 0.3422,
0.3415

 48.3822, 0.3422,
0.3415


380.3051, 0.3275,
0.3355

 34.1297, 0.3459,
0.3429


 87.7732, 0.3368,
0.3393

 22.9932, 0.3506,
0.3448


113.6804, 0.3348,
0.3385

 14.5885, 0.3569,
0.3471


144.2413, 0.3331,
0.3378

 8.5311, 0.3656,
0.3503

179.8404, 0.3317,
0.3372

 4.4366, 0.3787,
0.3548

220.8618, 0.3304,
0.3367

 1.9207, 0.4001,
0.3615

267.6902, 0.3293,

 0.5608, 0.5416,

0.3362

0.4319

320.7098, 0.3283,
0.3358

0.0000, 0.0000,
0.0000

48.3822, 0.3422,
0.3415

48.3822, 0.3422,
0.3415

42.1550, 0.3644,
0.3495

55.3378, 0.3235,
0.3338

36.6259, 0.3904,
0.3577

63.0380, 0.3078,
0.3267

31.7718, 0.4206,
0.3654

71.5068, 0.2946,
0.3201

27.5658, 0.4545,
0.3719

80.7648, 0.2834,
0.3141

23.9794, 0.4913,
0.3762

89.6880, 0.2825,
0.3258

■ 20.9815, 0.5284,
0.3772

■ 91.5794, 0.2827,
0.3289

■ 18.5380, 0.5627,
0.3737

■ 16.6099, 0.5905,
0.3657

■ 16.0702, 0.5987,
0.3628

Harmonies

Analogous

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



48.3822, 0.3375, 0.3289



48.3822, 0.3422, 0.3415



48.3822, 0.3388, 0.3513

Triad

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



48.3822, 0.3422, 0.3415



48.3822, 0.2993, 0.3419



48.3822, 0.2969, 0.3038

Complementary

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



48.3822, 0.3422, 0.3415



51.4950, 0.2872, 0.3162

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.



48.3822, 0.2871, 0.3066



48.3822, 0.3422, 0.3415



48.3822, 0.2885, 0.3284

Square

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



48.3822, 0.3422, 0.3415



48.3822, 0.3138, 0.3519



48.3822, 0.2841, 0.3154



48.3822, 0.3111, 0.3075

Rectangle

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



48.3822, 0.3422, 0.3415



48.3822, 0.3324, 0.3547



48.3822, 0.2841, 0.3154



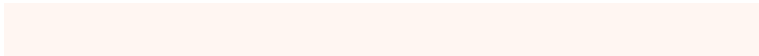
48.3822, 0.2930, 0.3040

Sweetspot

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



48.3844, 0.3422, 0.3415



93.5969, 0.3208, 0.3327



45.5001, 0.3227, 0.2993



19.8465, 0.3220, 0.3332



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.



48.3844, 0.3422, 0.3415



76.2809, 0.3497, 0.3444



55.5127, 0.3389, 0.3615



11.7423, 0.3283, 0.3359



10.2549, 0.5962, 0.3648



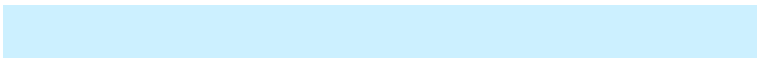
0.6619, 0.5570, 0.3959

Inverse Universe

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



51.4950, 0.2872, 0.3162



82.3795, 0.2817, 0.3131



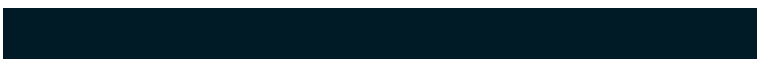
44.4961, 0.2862, 0.2943



12.1481, 0.2983, 0.3220



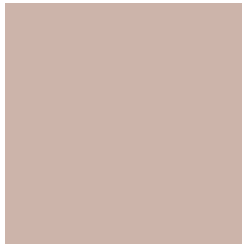
15.4691, 0.1975, 0.2311



0.9255, 0.2035, 0.2525

Previews

White Background



This preview shows how the Yxy color 48.3822, 0.3422, 0.3415 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 48.3822, 0.3422, 0.3415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

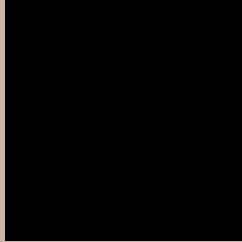
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.3822, 0.3422, 0.3415

Background



This preview shows how black text looks on a background with the Yxy color 48.3822, 0.3422, 0.3415.



This preview shows how white text looks on a background with the Yxy color 48.3822, 0.3422, 0.3415.

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

48.3822, 0.3422, 0.3415

Protanopia

48.3359, 0.3283, 0.3444

Deuteranopia

48.1530, 0.3462, 0.3389



Tritanopia

48.4713, 0.3275, 0.3121

Trichromacy



Original Color

48.3822, 0.3422, 0.3415

Protanomaly

48.5430, 0.3337, 0.3443

Deuteranomaly

48.4079, 0.3451, 0.3402

Tritanomaly

48.3815, 0.3332, 0.3230

Monochromacy



Original Color

48.3822, 0.3422, 0.3415

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.9137, 0.3236, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.3822, 0.3422, 0.3415 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, 180, 170)` looks like.

```
.text, #text, p{  
    color:rgb(204, 180, 170)  
}
```

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, 180, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 180, 170) }
```

Border

The CSS property to change the border of an element to Yxy 48.3822, 0.3422, 0.3415 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, 180, 170) }
```

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

```
.border{ border-color:rgb(204, 180, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 180, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 180, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 180, 170);  
box-shadow:4px 4px 4px 4px rgb(204, 180,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 48.3822, 0.3422, 0.3415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 180, 170) }
```

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

```
.background{ background-color: rgb(204,  
180, 170) }
```

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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