

Converting Colors

Yxy(51.6635, 0.3421, 0.3567)

Have a look what the booklet for
Yxy(51.6635, 0.3421, 0.3567)
contains.

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Color

Yxy(51.8449, 0.3428, 0.3575)

Conversions

Conversions Part 1

Format	Color
Hex	CBBDA6
RGB	203, 189, 166
RGB Percent	80%, 74%, 65%
CMY	0.2038, 0.2588, 0.3490
CMYK	0.00, 0.07, 0.18, 0.20
HSL	37°, 26%, 72%
HSV	37°, 18%, 80%
XYZ	49.7131, 51.8449, 43.4627
YIQ	190.5640, 15.7270, -4.1850

Conversions

Conversions Part 2

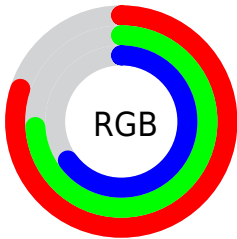
Format	Color
RYB	189, 203, 166
Decimal	13352358
CIELab	77.19, 1.18, 13.41
CIELCh	77, 13.462, 84.965
Yxy	51.8449, 0.3428, 0.3575
Android (android.graphics.Color)	4291542438 (0xFFCBBDA6)
YUV	190.5640, -12.1101, 10.9064
Hunter-Lab	72.0034, -2.7647, 14.6137

Details

The Yxy color $51.8449, 0.3428, 0.3575$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $45.0713, 0.2839, 0.2988$, and the grayscale version is $51.9018, 0.3127, 0.3290$.

A 20% lighter version of the original color is $91.7853, 0.3341, 0.3527$, and $25.2128, 0.3515, 0.3656$ is the 20% darker color. If you saturate the color by 10%, you get $47.9389, 0.3618, 0.3739$, and if you desaturate by 10%, it is $56.0486, 0.3256, 0.3416$.

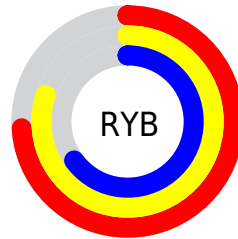
Distribution



Red (80%)

Green (74%)

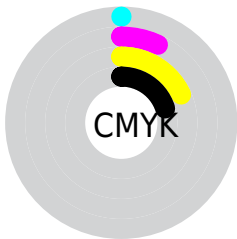
Blue (65%)



Red (74%)

Yellow (80%)

Blue (65%)

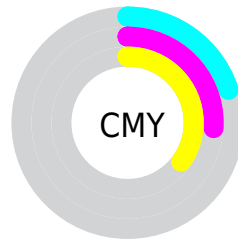


Cyan (0%)

Magenta (7%)

Yellow (18%)

Black (20%)



Cyan (20%)


Magenta (26%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.8449, 0.3428, 0.3575 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 51.8449, 0.3428, 0.3575 by changing the saturation by 10% instead.


 51.8449, 0.3428,
0.3575

 51.8449, 0.3428,
0.3575


393.8375, 0.3280,
0.3436

 36.8815, 0.3464,
0.3609


 92.9025, 0.3375,
0.3525

 25.1157, 0.3510,
0.3652


 119.7654, 0.3355,
0.3506

 16.1633, 0.3570,
0.3708


151.3636, 0.3338,
0.3490

 9.6398, 0.3652,
0.3784

188.0814, 0.3323,
0.3476

 5.1608, 0.3771,
0.3893

230.3034, 0.3310,
0.3464

 2.3419, 0.3956,
0.4060

278.4138, 0.3299,

 0.7958, 0.4967,

0.3453

0.5033

332.7970, 0.3289,
0.3444

0.0000, 0.0000,
0.0000

51.8449, 0.3428,
0.3575

51.8449, 0.3428,
0.3575

47.9389, 0.3618,
0.3739

56.0486, 0.3256,
0.3416

44.3155, 0.3825,
0.3903

60.5507, 0.3101,
0.3264

40.9682, 0.4044,
0.4059

65.3611, 0.2964,
0.3122

37.8877, 0.4269,
0.4198

70.4868, 0.2842,
0.2990

35.0640, 0.4493,
0.4308

75.1024, 0.2802,
0.2995

■ 32.4858, 0.4702,
0.4377

■ 79.4143, 0.2808,
0.3078

■ 30.1406, 0.4886,
0.4398

■ 83.9166, 0.2813,
0.3161

■ 28.0107, 0.5038,
0.4368

■ 88.6117, 0.2819,
0.3242

■ 27.6529, 0.5064,
0.4361

■ 91.4394, 0.2822,
0.3289

Harmonies

Analogous

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



51.8449, 0.3487, 0.3465



51.8449, 0.3428, 0.3575



51.8449, 0.3288, 0.3610

Triad

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



51.8449, 0.3428, 0.3575



51.8449, 0.2818, 0.3252



51.8449, 0.3139, 0.3045

Complementary

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



51.8449, 0.3428, 0.3575



45.0713, 0.2839, 0.2988

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.



51.8449, 0.2961, 0.2987



51.8449, 0.3428, 0.3575



51.8449, 0.2780, 0.3100

Square

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



51.8449, 0.3428, 0.3575



51.8449, 0.2936, 0.3421



51.8449, 0.2832, 0.3006



51.8449, 0.3317, 0.3163

Rectangle

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



51.8449, 0.3428, 0.3575



51.8449, 0.3169, 0.3583



51.8449, 0.2832, 0.3006



51.8449, 0.3077, 0.3018

Sweetspot

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



51.8472, 0.3428, 0.3575



96.1632, 0.3205, 0.3367



43.2750, 0.3348, 0.3114



20.4697, 0.3216, 0.3377



0.0000, 0.0000, 0.0000



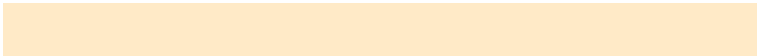
21.4041, 0.3127, 0.3290

Same Dimension

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



51.8472, 0.3428, 0.3575



84.0831, 0.3503, 0.3641



57.5761, 0.3364, 0.3745



12.3549, 0.3275, 0.3434



17.7746, 0.5049, 0.4373



1.0603, 0.4839, 0.4540

Inverse Universe

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



45.0713, 0.2839, 0.2988



70.6129, 0.2771, 0.2912



40.1670, 0.2865, 0.2802



11.5288, 0.2983, 0.3142



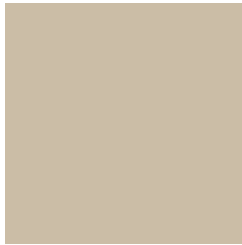
6.2747, 0.1671, 0.1216



0.4689, 0.1782, 0.1614

Previews

White Background



This preview shows how the Yxy color 51.8449, 0.3428, 0.3575 looks on a white background.

Color Contrast Check

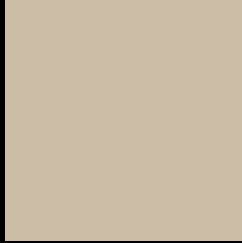
Large Text (above 18pt) WCAG AA × Fail

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 51.8449, 0.3428, 0.3575 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

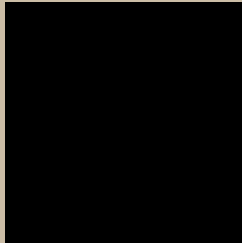
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

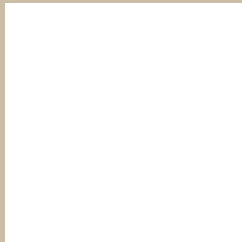
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.8449, 0.3428, 0.3575

Background



This preview shows how black text looks on a background with the Yxy color 51.8449, 0.3428, 0.3575.



This preview shows how white text looks on a background with the Yxy color 51.8449, 0.3428, 0.3575.

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

51.8449, 0.3428, 0.3575

Protanopia

51.8963, 0.3392, 0.3577

Deuteranopia

51.9764, 0.3564, 0.3493



Tritanopia

51.6699, 0.3203, 0.3112

Trichromacy



Original Color

51.8449, 0.3428, 0.3575

Protanomaly

52.0344, 0.3400, 0.3576

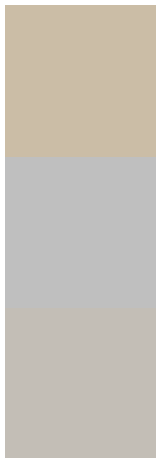
Deuteranomaly

52.0540, 0.3514, 0.3520

Tritanomaly

51.8275, 0.3288, 0.3278

Monochromacy



Original Color

51.8449, 0.3428, 0.3575

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

51.8064, 0.3230, 0.3390

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.8449, 0.3428, 0.3575 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, 189, 166)` looks like.

```
.text, #text, p{  
    color:rgb(203, 189, 166)  
}
```

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, 189, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 189, 166) }
```

Border

The CSS property to change the border of an element to Yxy 51.8449, 0.3428, 0.3575 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, 189, 166) }
```

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

```
.border{ border-color:rgb(203, 189, 166) }
```

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

Here you see how a box with a 4 pixel rgb(203, 189, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 189, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 189, 166);  
box-shadow:4px 4px 4px 4px rgb(203, 189,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 51.8449, 0.3428, 0.3575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 189, 166) }
```

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

```
.background{ background-color: rgb(203,  
189, 166) }
```

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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