

Converting Colors

$Y_{xy}(48.8075, 0.3429, 0.3675)$

Have a look what the booklet for
Yxy(48.8075, 0.3429, 0.3675)
contains.

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Color

Yxy(48.8556, 0.3428, 0.3676)

Conversions

Conversions Part 1

Format	Color
Hex	C1BA9C
RGB	193, 186, 156
RGB Percent	76%, 73%, 61%
CMY	0.2430, 0.2706, 0.3882
CMYK	0.00, 0.04, 0.19, 0.24
HSL	49°, 23%, 68%
HSV	49°, 19%, 76%
XYZ	45.5596, 48.8556, 38.4891
YIQ	184.6730, 13.8020, -7.8460

Conversions

Conversions Part 2

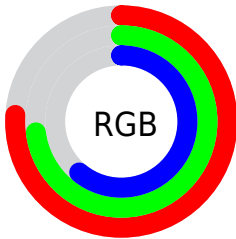
Format	Color
RYB	165, 193, 156
Decimal	12696220
CIELab	75.36, -2.49, 16.11
CIElCh	75, 16.298, 98.797
Yxy	48.8556, 0.3428, 0.3676
Android (android.graphics.Color)	4290886300 (0xFFC1BA9C)
YUV	184.6730, -14.1358, 7.3028
Hunter-Lab	69.8968, -5.9709, 16.2794

Details

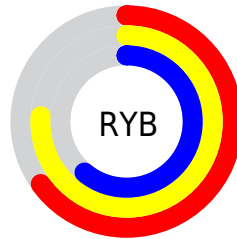
The Yxy color **48.8556, 0.3428, 0.3676** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.1374, 0.2819, 0.2872**, and the grayscale version is **48.4029, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5314, 0.3374, 0.3602**, and **23.2839, 0.3505, 0.3780** is the 20% darker color. If you saturate the color by 10%, you get **46.7275, 0.3598, 0.3884**, and if you desaturate by 10%, it is **51.1318, 0.3266, 0.3471**.

Distribution



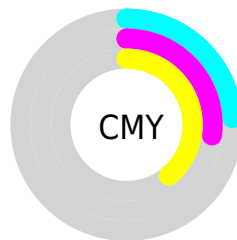
- Red (76%)
- Green (73%)
- Blue (61%)



- Red (65%)
- Yellow (76%)
- Blue (61%)



- Cyan (0%)
- Magenta (4%)
- Yellow (19%)
- Black (24%)




- Cyan (24%)
- Magenta (27%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.8556, 0.3428, 0.3676 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 48.8556, 0.3428, 0.3676 by changing the saturation by 10% instead.


 48.8556, 0.3428,
0.3676


 48.8556, 0.3428,
0.3676


382.1736, 0.3280,
0.3484

 34.5049, 0.3464,
0.3724


 88.4770, 0.3375,
0.3606

 23.2818, 0.3510,
0.3785


 114.5164, 0.3354,
0.3580

 14.8017, 0.3571,
0.3865


145.2210, 0.3337,
0.3558

 8.6803, 0.3653,
0.3976

180.9750, 0.3322,
0.3539

 4.5333, 0.3771,
0.4139

222.1629, 0.3310,
0.3522

 1.9761, 0.3967,
0.4413

269.1690, 0.3298,

 0.5935, 0.4589,

0.3508

0.5411

322.3778, 0.3288,
0.3495

0.0000, 0.0000,
0.0000

48.8556, 0.3428,
0.3676

48.8556, 0.3428,
0.3676

46.7275, 0.3598,
0.3884

51.1318, 0.3266,
0.3471

44.7357, 0.3773,
0.4088

53.5543, 0.3115,
0.3274

42.8768, 0.3946,
0.4280

56.1301, 0.2976,
0.3088

41.1448, 0.4112,
0.4450

58.8633, 0.2849,
0.2914

39.5328, 0.4263,
0.4588

61.7582, 0.2734,
0.2753

■ 38.0334, 0.4392,
0.4685

■ 63.6861, 0.2723,
0.2770

■ 36.6375, 0.4494,
0.4737

■ 65.4978, 0.2727,
0.2812

■ 35.3299, 0.4570,
0.4748

■ 67.3512, 0.2731,
0.2854

■ 35.2244, 0.4576,
0.4749

■ 69.2467, 0.2734,
0.2895

Harmonies

Analogous

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



48.8556, 0.3553, 0.3575



48.8556, 0.3428, 0.3676



48.8556, 0.3224, 0.3670

Triad

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



48.8556, 0.3428, 0.3676



48.8556, 0.2712, 0.3149



48.8556, 0.3246, 0.3048

Complementary

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



48.8556, 0.3428, 0.3676



37.1374, 0.2819, 0.2872

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.



48.8556, 0.3018, 0.2941



48.8556, 0.3428, 0.3676



48.8556, 0.2717, 0.2991

Square

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



48.8556, 0.3428, 0.3676



48.8556, 0.2814, 0.3356



48.8556, 0.2827, 0.2918



48.8556, 0.3447, 0.3216

Rectangle

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



48.8556, 0.3428, 0.3676



48.8556, 0.3073, 0.3602



48.8556, 0.2827, 0.2918



48.8556, 0.3170, 0.3004

Sweetspot

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



48.8578, 0.3428, 0.3676



92.8490, 0.3218, 0.3410



37.7848, 0.3426, 0.3193



19.8589, 0.3229, 0.3423



97.7402, 0.3127, 0.3290



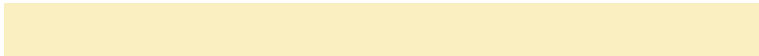
20.4902, 0.3127, 0.3290

Same Dimension

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



48.8578, 0.3428, 0.3676



85.8433, 0.3498, 0.3763



50.4926, 0.3317, 0.3776



11.4221, 0.3269, 0.3475



23.5299, 0.4570, 0.4753



1.1025, 0.4472, 0.4832

Inverse Universe

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



37.1374, 0.2819, 0.2872



61.0382, 0.2745, 0.2768



35.8641, 0.2911, 0.2785



10.0512, 0.2983, 0.3098



3.5180, 0.1554, 0.0795



0.2475, 0.1665, 0.1195

Previews

White Background



This preview shows how the Yxy color 48.8556, 0.3428, 0.3676 looks on a white background.

Color Contrast Check

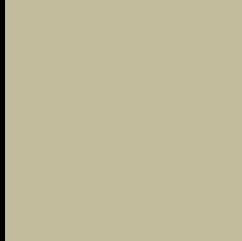
Large Text (above 18pt) WCAG AA × Fail

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 48.8556, 0.3428, 0.3676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

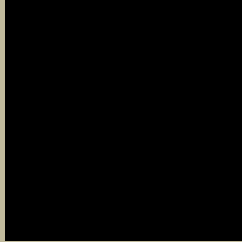
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

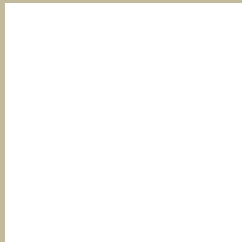
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.8556, 0.3428, 0.3676

Background



This preview shows how black text looks on a background with the Yxy color 48.8556, 0.3428, 0.3676.



This preview shows how white text looks on a background with the Yxy color 48.8556, 0.3428, 0.3676.

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

48.8556, 0.3428, 0.3676

Protanopia

48.8340, 0.3457, 0.3661

Deuteranopia

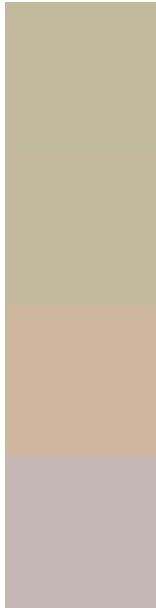
48.8550, 0.3610, 0.3547



Tritanopia

48.9936, 0.3161, 0.3118

Trichromacy



Original Color

48.8556, 0.3428, 0.3676

Protanomaly

48.7003, 0.3448, 0.3662

Deuteranomaly

49.0120, 0.3547, 0.3601

Tritanomaly

48.9389, 0.3254, 0.3315

Monochromacy



Original Color

48.8556, 0.3428, 0.3676

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.4453, 0.3239, 0.3432

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.8556, 0.3428, 0.3676 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(193, 186, 156)` looks like.

```
.text, #text, p{  
    color:rgb(193, 186, 156)  
}
```

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(193, 186, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 186, 156) }
```

Border

The CSS property to change the border of an element to Yxy 48.8556, 0.3428, 0.3676 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(193, 186, 156) }
```

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

```
.border{ border-color:rgb(193, 186, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 186, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 186, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 186, 156);  
box-shadow:4px 4px 4px 4px rgb(193, 186,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 48.8556, 0.3428, 0.3676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 186, 156) }
```

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

```
.background{ background-color: rgb(193,  
186, 156) }
```

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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