

Converting Colors

$Yxy(49.2464, 0.3383, 0.3703)$

Have a look what the booklet for
Yxy(49.2464, 0.3383, 0.3703)
contains.

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Color

Yxy(49.1856, 0.3388, 0.3706)

Conversions

Conversions Part 1

Format	Color
Hex	BDBC9C
RGB	189, 188, 156
RGB Percent	74%, 74%, 61%
CMY	0.2589, 0.2627, 0.3883
CMYK	0.00, 0.01, 0.17, 0.26
HSL	58°, 20%, 68%
HSV	58°, 17%, 74%
XYZ	44.9651, 49.1856, 38.5681
YIQ	184.6510, 10.8680, -9.7400

Conversions

Conversions Part 2

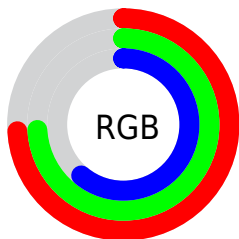
Format	Color
RYB	157, 189, 156
Decimal	12434588
CIELab	75.57, -5.09, 16.36
CIELCh	76, 17.136, 107.267
Yxy	49.1856, 0.3388, 0.3706
Android (android.graphics.Color)	4290624668 (0xFFBDBC9C)
YUV	184.6510, -14.1249, 3.8141
Hunter-Lab	70.1324, -8.2872, 16.4872

Details

The Yxy color $49.1856, 0.3388, 0.3706$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $34.8365, 0.2845, 0.2837$, and the grayscale version is $48.3861, 0.3127, 0.3290$.

A 20% lighter version of the original color is $88.8170, 0.3337, 0.3625$, and $23.4988, 0.3449, 0.3822$ is the 20% darker color. If you saturate the color by 10%, you get $48.3604, 0.3541, 0.3948$, and if you desaturate by 10%, it is $50.1156, 0.3237, 0.3465$.

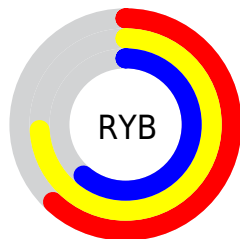
Distribution



Red (74%)

Green (74%)

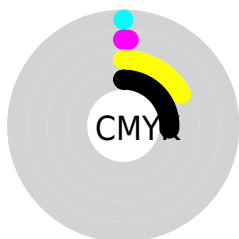
Blue (61%)



Red (62%)

Yellow (74%)

Blue (61%)

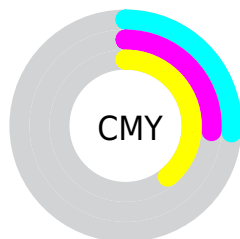


Cyan (0%)

Magenta (1%)

Yellow (17%)

Black (26%)



Cyan (26%)


Magenta (26%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.1856, 0.3388, 0.3706 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 49.1856, 0.3388, 0.3706 by changing the saturation by 10% instead.


 49.1856, 0.3388,
0.3706


 49.1856, 0.3388,
0.3706


383.4725, 0.3260,
0.3498

 34.7667, 0.3419,
0.3758


 88.9670, 0.3342,
0.3630

 23.4832, 0.3458,
0.3824


 115.0984, 0.3325,
0.3602

 14.9507, 0.3509,
0.3913


145.9027, 0.3310,
0.3578

 8.7848, 0.3578,
0.4035

181.7644, 0.3297,
0.3557

 4.6011, 0.3675,
0.4216

223.0678, 0.3286,
0.3539

 2.0152, 0.3834,
0.4522

270.1974, 0.3276,

 0.6163, 0.4282,

0.3524

0.5718

323.5375, 0.3268,
0.3510

0.0000, 0.0000,
0.0000

49.1856, 0.3388,
0.3706

49.1856, 0.3388,
0.3706

48.3604, 0.3541,
0.3948

50.1156, 0.3237,
0.3465

47.6290, 0.3691,
0.4185

51.1483, 0.3091,
0.3232

46.9886, 0.3833,
0.4405

52.2898, 0.2953,
0.3010

46.4337, 0.3960,
0.4601

53.5440, 0.2824,
0.2803

45.9584, 0.4067,
0.4763

54.9145, 0.2706,
0.2612

■ 45.5559, 0.4149,
0.4885

■ 55.4443, 0.2680,
0.2573

■ 45.2184, 0.4206,
0.4964

■ 55.6869, 0.2680,
0.2580

■ 44.9343, 0.4238,
0.5004

■ 55.9304, 0.2681,
0.2586

■ 44.8656, 0.4245,
0.5011

■ 56.1748, 0.2682,
0.2593

Harmonies

Analogous

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



49.1856, 0.3548, 0.3628



49.1856, 0.3388, 0.3706



49.1856, 0.3161, 0.3666

Triad

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



49.1856, 0.3388, 0.3706



49.1856, 0.2682, 0.3087



49.1856, 0.3317, 0.3081

Complementary

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



49.1856, 0.3388, 0.3706



34.8365, 0.2845, 0.2837

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.



49.1856, 0.3079, 0.2948



49.1856, 0.3388, 0.3706



49.1856, 0.2719, 0.2945

Square

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



49.1856, 0.3388, 0.3706



49.1856, 0.2758, 0.3295



49.1856, 0.2862, 0.2897



49.1856, 0.3508, 0.3267

Rectangle

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



49.1856, 0.3388, 0.3706



49.1856, 0.3005, 0.3574



49.1856, 0.2862, 0.2897



49.1856, 0.3239, 0.3029

Sweetspot

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



49.1878, 0.3388, 0.3706



90.2019, 0.3201, 0.3409



37.0246, 0.3447, 0.3276



19.3704, 0.3212, 0.3425



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



49.1878, 0.3388, 0.3706



87.5213, 0.3447, 0.3800



47.7368, 0.3253, 0.3736



11.0712, 0.3265, 0.3510



30.2148, 0.4244, 0.5012



1.1987, 0.4231, 0.5022

Inverse Universe

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



34.8365, 0.2845, 0.2837



56.9542, 0.2775, 0.2723



36.1453, 0.2983, 0.2842



9.2690, 0.2984, 0.3060



2.5726, 0.1506, 0.0622



0.1163, 0.1530, 0.0706

Previews

White Background



This preview shows how the Yxy color 49.1856, 0.3388, 0.3706 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 49.1856, 0.3388, 0.3706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

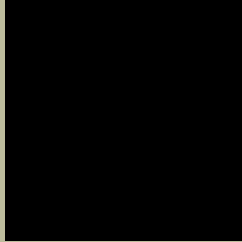
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

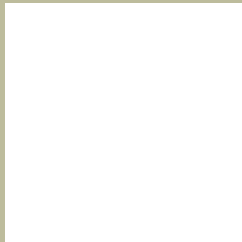
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.1856, 0.3388, 0.3706

Background



This preview shows how black text looks on a background with the Yxy color 49.1856, 0.3388, 0.3706.



This preview shows how white text looks on a background with the Yxy color 49.1856, 0.3388, 0.3706.

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

49.1856, 0.3388, 0.3706

Protanopia

49.2201, 0.3463, 0.3686

Deuteranopia

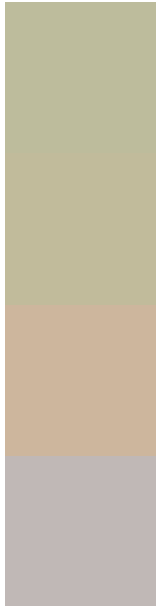
49.0050, 0.3620, 0.3546



Tritanopia

48.9564, 0.3111, 0.3104

Trichromacy



Original Color

49.1856, 0.3388, 0.3706

Protanomaly

49.2447, 0.3434, 0.3702

Deuteranomaly

48.8694, 0.3538, 0.3602

Tritanomaly

48.8648, 0.3211, 0.3316

Monochromacy



Original Color

49.1856, 0.3388, 0.3706

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.6129, 0.3221, 0.3445

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1856, 0.3388, 0.3706 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(189, 188, 156)` looks like.

```
.text, #text, p{  
    color:rgb(189, 188, 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(189, 188, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 188, 156) }
```

Border

The CSS property to change the border of an element to Yxy 49.1856, 0.3388, 0.3706 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(189, 188, 156) }
```

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

```
.border{ border-color:rgb(189, 188, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 188, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 188, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 188, 156);  
box-shadow:4px 4px 4px 4px rgb(189, 188,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1856, 0.3388, 0.3706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 188, 156) }
```

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

```
.background{ background-color: rgb(189,  
188, 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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