

Converting Colors

$Yxy(49.6988, 0.3318, 0.3631)$

Have a look what the booklet for
Yxy(49.6988, 0.3318, 0.3631)
contains.

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Color

Yxy(49.6043, 0.3313, 0.3628)

Conversions

Conversions Part 1

Format	Color
Hex	BBBDA3
RGB	187, 189, 163
RGB Percent	73%, 74%, 64%
CMY	0.2667, 0.2588, 0.3609
CMYK	0.01, 0.00, 0.14, 0.26
HSL	65°, 16%, 69%
HSV	65°, 14%, 74%
XYZ	45.2974, 49.6043, 41.8246
YIQ	185.4380, 7.1540, -8.5100

Conversions

Conversions Part 2

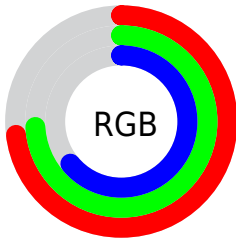
Format	Color
RYB	163, 189, 165
Decimal	12303779
CIELab	75.83, -5.25, 12.93
CIELCh	76, 13.958, 112.076
Yxy	49.6043, 0.3313, 0.3628
Android (android.graphics.Color)	4290493859 (0xFFBBBDA3)
YUV	185.4380, -11.0619, 1.3699
Hunter-Lab	70.4303, -8.4504, 14.0923

Details

The Yxy color $49.6043, 0.3313, 0.3628$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $37.8589, 0.2927, 0.2932$, and the grayscale version is $48.8313, 0.3127, 0.3290$.

A 20% lighter version of the original color is $89.4215, 0.3278, 0.3563$, and $23.8243, 0.3369, 0.3732$ is the 20% darker color. If you saturate the color by 10%, you get $48.7945, 0.3450, 0.3881$, and if you desaturate by 10%, it is $50.5216, 0.3177, 0.3381$.

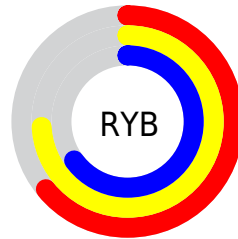
Distribution



Red (73%)

Green (74%)

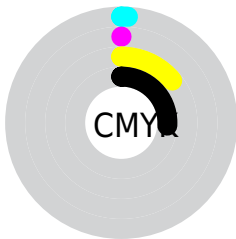
Blue (64%)



Red (64%)

Yellow (74%)

Blue (65%)

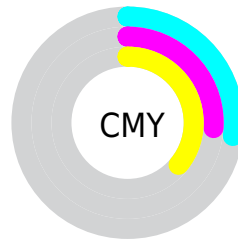


Cyan (1%)

Magenta (0%)

Yellow (14%)

Black (26%)



Cyan (27%)


Magenta (26%)

Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.6043, 0.3313, 0.3628 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 49.6043, 0.3313, 0.3628 by changing the saturation by 10% instead.

 49.6043, 0.3313,
0.3628


 49.6043, 0.3313,
0.3628


385.1165, 0.3222,
0.3459

 35.0991, 0.3335,
0.3670


 89.5883, 0.3280,
0.3567

 23.7392, 0.3363,
0.3724

 115.8359, 0.3268,
0.3543

 15.1403, 0.3399,
0.3796


146.7664, 0.3258,
0.3524

 8.9179, 0.3449,
0.3897

182.7642, 0.3248,
0.3507

 4.6877, 0.3520,
0.4046

224.2137, 0.3241,
0.3493

 2.0652, 0.3626,
0.4289

271.4994, 0.3234,

 0.6449, 0.4292,

0.3480

0.5708

325.0055, 0.3228,
0.3469

0.0000, 0.0000,
0.0000

49.6043, 0.3313,
0.3628

49.6043, 0.3313,
0.3628

48.7945, 0.3450,
0.3881

50.5216, 0.3177,
0.3381

48.0812, 0.3584,
0.4134

51.5441, 0.3046,
0.3145

47.4618, 0.3711,
0.4376

52.6779, 0.2922,
0.2923

46.9310, 0.3823,
0.4599

53.9268, 0.2806,
0.2718

46.4830, 0.3917,
0.4792

55.1336, 0.2714,
0.2554

■ 46.1115, 0.3988,
0.4948

■ 55.3295, 0.2724,
0.2556

■ 45.8090, 0.4034,
0.5061

■ 55.5273, 0.2734,
0.2558

■ 45.5665, 0.4054,
0.5131

■ 55.7270, 0.2744,
0.2560

■ 45.4348, 0.4058,
0.5160

■ 55.9287, 0.2754,
0.2562

Harmonies

Analogous

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



49.6043, 0.3454, 0.3581



49.6043, 0.3313, 0.3628



49.6043, 0.3125, 0.3578

Triad

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



49.6043, 0.3313, 0.3628



49.6043, 0.2762, 0.3104



49.6043, 0.3310, 0.3142

Complementary

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



49.6043, 0.3313, 0.3628



37.8589, 0.2927, 0.2932

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.



49.6043, 0.3120, 0.3023



49.6043, 0.3313, 0.3628



49.6043, 0.2807, 0.2997

Square

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



49.6043, 0.3313, 0.3628



49.6043, 0.2811, 0.3267



49.6043, 0.2937, 0.2970



49.6043, 0.3454, 0.3299

Rectangle

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



49.6043, 0.3313, 0.3628



49.6043, 0.2999, 0.3496



49.6043, 0.2937, 0.2970



49.6043, 0.3250, 0.3097

Sweetspot

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



49.6065, 0.3313, 0.3628



90.4225, 0.3181, 0.3388



40.2694, 0.3374, 0.3314



19.4170, 0.3191, 0.3406



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.



49.6065, 0.3313, 0.3628



88.3047, 0.3361, 0.3716



48.0716, 0.3204, 0.3640



11.0818, 0.3253, 0.3518



30.5812, 0.4059, 0.5159



1.2092, 0.4093, 0.5132

Inverse Universe

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



37.8589, 0.2927, 0.2932



62.5612, 0.2870, 0.2832



39.2926, 0.3040, 0.2944



9.2599, 0.2995, 0.3054



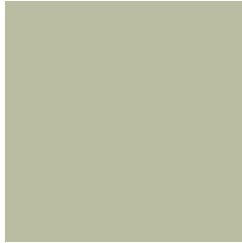
2.5524, 0.1529, 0.0616



0.1122, 0.1638, 0.0676

Previews

White Background



This preview shows how the Yxy color 49.6043, 0.3313, 0.3628 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 49.6043, 0.3313, 0.3628 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

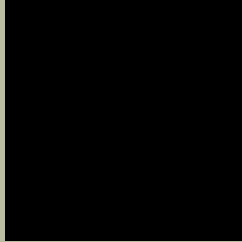
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

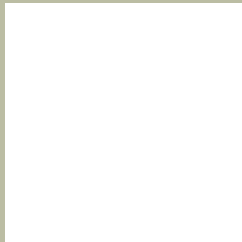
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.6043, 0.3313, 0.3628

Background



This preview shows how black text looks on a background with the Yxy color 49.6043, 0.3313, 0.3628.



This preview shows how white text looks on a background with the Yxy color 49.6043, 0.3313, 0.3628.

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

49.6043, 0.3313, 0.3628

Protanopia

49.4622, 0.3405, 0.3595

Deuteranopia

49.5053, 0.3546, 0.3473



Tritanopia

49.5647, 0.3085, 0.3116

Trichromacy



Original Color

49.6043, 0.3313, 0.3628

Protanomaly

49.4867, 0.3377, 0.3610

Deuteranomaly

49.3847, 0.3466, 0.3527

Tritanomaly

49.5677, 0.3168, 0.3303

Monochromacy



Original Color

49.6043, 0.3313, 0.3628

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.7312, 0.3197, 0.3406

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6043, 0.3313, 0.3628 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(187, 189, 163)` looks like.

```
.text, #text, p{  
    color:rgb(187, 189, 163)  
}
```

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(187, 189, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 189, 163) }
```

Border

The CSS property to change the border of an element to Yxy 49.6043, 0.3313, 0.3628 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(187, 189, 163) }
```

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

```
.border{ border-color:rgb(187, 189, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 189, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 189, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 189, 163);  
box-shadow:4px 4px 4px 4px rgb(187, 189,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6043, 0.3313, 0.3628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 189, 163) }
```

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

```
.background{ background-color: rgb(187,  
189, 163) }
```

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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