

Converting Colors

$Yxy(49.7805, 0.3355, 0.3793)$

Have a look what the booklet for
Yxy(49.7805, 0.3355, 0.3793)
contains.

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Color

Yxy(49.6288, 0.3353, 0.3790)

Conversions

Conversions Part 1

Format	Color
Hex	B7BF99
RGB	183, 191, 153
RGB Percent	72%, 75%, 60%
CMY	0.2824, 0.2509, 0.3999
CMYK	0.04, 0.00, 0.20, 0.25
HSL	73°, 23%, 67%
HSV	73°, 20%, 75%
XYZ	43.9064, 49.6288, 37.4115
YIQ	184.2760, 7.4300, -13.5140

Conversions

Conversions Part 2

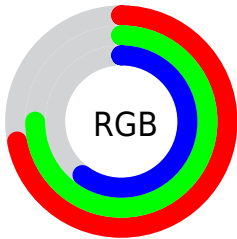
Format	Color
RYB	153, 191, 161
Decimal	12042137
CIELab	75.84, -9.35, 18.27
CIELCh	76, 20.520, 117.109
Yxy	49.6288, 0.3353, 0.3790
Android (android.graphics.Color)	4290232217 (0xFFB7BF99)
YUV	184.2760, -15.4191, -1.1191
Hunter-Lab	70.4477, -12.0336, 17.8273

Details

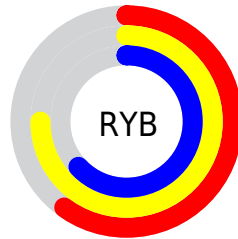
The Yxy color **49.6288, 0.3353, 0.3790** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **34.1348, 0.2872, 0.2760**, and the grayscale version is **48.1772, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3772, 0.3317, 0.3700**, and **23.8821, 0.3411, 0.3937** is the 20% darker color. If you saturate the color by 10%, you get **48.5613, 0.3465, 0.4054**, and if you desaturate by 10%, it is **50.8159, 0.3239, 0.3533**.

Distribution



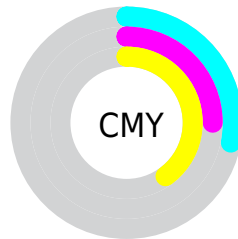
- Red (72%)
- Green (75%)
- Blue (60%)



- Red (60%)
- Yellow (75%)
- Blue (63%)



- Cyan (4%)
- Magenta (0%)
- Yellow (20%)
- Black (25%)





- Cyan (28%)
- Magenta (25%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.6288, 0.3353, 0.3790 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 49.6288, 0.3353, 0.3790 by changing the saturation by 10% instead.


 49.6288, 0.3353,
0.3790

 49.6288, 0.3353,
0.3790


385.2125, 0.3244,
0.3538

 35.1185, 0.3379,
0.3853


 89.6246, 0.3314,
0.3698

 23.7542, 0.3411,
0.3935


 115.8790, 0.3300,
0.3664

 15.1514, 0.3452,
0.4043


146.8169, 0.3287,
0.3635

 8.9257, 0.3506,
0.4194

182.8227, 0.3276,
0.3610

 4.6928, 0.3579,
0.4418

224.2807, 0.3267,
0.3588

 2.0681, 0.3707,
0.4819

271.5755, 0.3258,

 0.6466, 0.3740,

0.3570

0.6260

325.0913, 0.3251,
0.3553

0.0000, 0.0000,
0.0000

49.6288, 0.3353,
0.3790

49.6288, 0.3353,
0.3790

48.5613, 0.3465,
0.4054

50.8159, 0.3239,
0.3533

47.6019, 0.3571,
0.4317

52.1207, 0.3126,
0.3287

46.7476, 0.3666,
0.4570

53.5497, 0.3017,
0.3058

45.9925, 0.3743,
0.4801

55.1070, 0.2914,
0.2846

45.3302, 0.3800,
0.5001

56.7964, 0.2817,
0.2652

■ 44.7534, 0.3832,
0.5159

■ 57.7813, 0.2805,
0.2594

■ 44.2536, 0.3838,
0.5272

■ 58.3713, 0.2834,
0.2600

■ 43.8139, 0.3823,
0.5346

■ 58.9762, 0.2863,
0.2606

■ 43.8091, 0.3823,
0.5347

■ 59.5963, 0.2892,
0.2611

Harmonies

Analogous

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



49.6288, 0.3579, 0.3736



49.6288, 0.3353, 0.3790



49.6288, 0.3073, 0.3695

Triad

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



49.6288, 0.3353, 0.3790



49.6288, 0.2599, 0.2979



49.6288, 0.3438, 0.3109

Complementary

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



49.6288, 0.3353, 0.3790



34.1348, 0.2872, 0.2760

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.



49.6288, 0.3162, 0.2928



49.6288, 0.3353, 0.3790



49.6288, 0.2685, 0.2848

Square

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



49.6288, 0.3353, 0.3790



49.6288, 0.2645, 0.3207



49.6288, 0.2888, 0.2833



49.6288, 0.3633, 0.3339

Rectangle

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



49.6288, 0.3353, 0.3790



49.6288, 0.2895, 0.3558



49.6288, 0.2888, 0.2833



49.6288, 0.3351, 0.3041

Sweetspot

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



49.6310, 0.3353, 0.3790



91.8620, 0.3196, 0.3438



38.7355, 0.3496, 0.3393



20.1387, 0.3203, 0.3454



97.7402, 0.3127, 0.3290



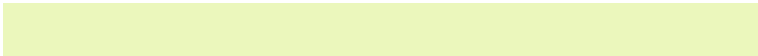
20.4902, 0.3127, 0.3290

Same Dimension

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



49.6310, 0.3353, 0.3790



87.9939, 0.3404, 0.3908



47.5036, 0.3195, 0.3815



11.0160, 0.3233, 0.3519



28.8232, 0.3828, 0.5342



1.1550, 0.3921, 0.5269

Inverse Universe

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



34.1348, 0.2872, 0.2760



55.0510, 0.2804, 0.2626



36.2090, 0.3042, 0.2787



9.3200, 0.3016, 0.3055



2.8025, 0.1616, 0.0664



0.1386, 0.1856, 0.0796

Previews

White Background



This preview shows how the Yxy color 49.6288, 0.3353, 0.3790 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 49.6288, 0.3353, 0.3790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

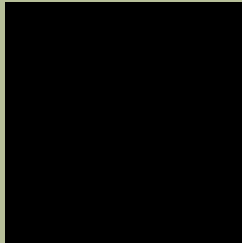
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.6288, 0.3353, 0.3790

Background



This preview shows how black text looks on a background with the Yxy color 49.6288, 0.3353, 0.3790.



This preview shows how white text looks on a background with the Yxy color 49.6288, 0.3353, 0.3790.

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

49.6288, 0.3353, 0.3790

Protanopia

49.3579, 0.3514, 0.3735

Deuteranopia

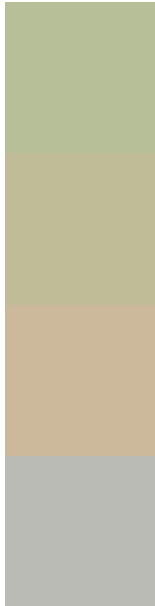
49.6080, 0.3661, 0.3593



Tritanopia

49.6403, 0.3053, 0.3115

Trichromacy



Original Color

49.6288, 0.3353, 0.3790

Protanomaly

49.5709, 0.3456, 0.3753

Deuteranomaly

49.4514, 0.3548, 0.3665

Tritanomaly

49.4828, 0.3166, 0.3354

Monochromacy



Original Color

49.6288, 0.3353, 0.3790

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.7481, 0.3211, 0.3472

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6288, 0.3353, 0.3790 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(183, 191, 153)` looks like.

```
.text, #text, p{  
    color:rgb(183, 191, 153)  
}
```

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(183, 191, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 191, 153) }
```

Border

The CSS property to change the border of an element to Yxy 49.6288, 0.3353, 0.3790 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(183, 191, 153) }
```

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

```
.border{ border-color:rgb(183, 191, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 191, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 191, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 191, 153);  
box-shadow:4px 4px 4px 4px rgb(183, 191,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6288, 0.3353, 0.3790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 191, 153) }
```

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

```
.background{ background-color: rgb(183,  
191, 153) }
```

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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