

Converting Colors

$Yxy(49.5193, 0.3877, 0.4403)$

Have a look what the booklet for
Yxy(49.5193, 0.3877, 0.4403)
contains.

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Color

Yxy(49.6173, 0.3882, 0.4403)

Conversions

Conversions Part 1

Format	Color
Hex	C5BE64
RGB	197, 190, 100
RGB Percent	77%, 75%, 39%
CMY	0.2273, 0.2549, 0.6079
CMYK	0.00, 0.04, 0.49, 0.23
HSL	56°, 46%, 58%
HSV	56°, 49%, 77%
XYZ	43.7462, 49.6173, 19.3263
YIQ	181.8330, 33.0620, -26.5060

Conversions

Conversions Part 2

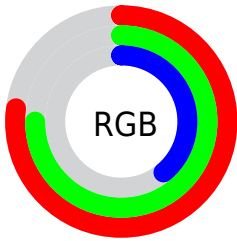
Format	Color
RYB	108, 197, 100
Decimal	12959332
CIELab	75.83, -9.79, 45.94
CIELCh	76, 46.968, 102.032
Yxy	49.6173, 0.3882, 0.4403
Android (android.graphics.Color)	4291149412 (0xFFC5BE64)
YUV	181.8330, -40.3437, 13.3015
Hunter-Lab	70.4395, -12.4126, 33.0405

Details

The Yxy color **49.6173, 0.3882, 0.4403** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **17.2647, 0.2216, 0.1857**, and the grayscale version is **46.8969, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4714, 0.3760, 0.4208**, and **23.7758, 0.4042, 0.4692** is the 20% darker color. If you saturate the color by 10%, you get **48.6669, 0.4016, 0.4589**, and if you desaturate by 10%, it is **50.6706, 0.3734, 0.4192**.

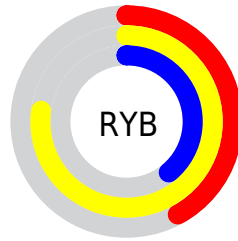
Distribution



Red (77%)

Green (75%)

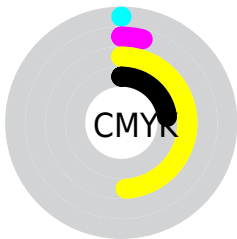
Blue (39%)



Red (42%)

Yellow (77%)

Blue (39%)

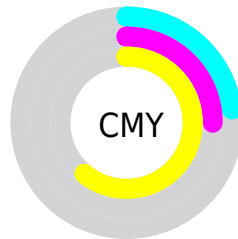


Cyan (0%)

Magenta (4%)

Yellow (49%)

Black (23%)



Cyan (23%)


Magenta (25%)

Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.6173, 0.3882, 0.4403 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 49.6173, 0.3882, 0.4403 by changing the saturation by 10% instead.

 49.6173, 0.3882,
0.4403


 49.6173, 0.3882,
0.4403


385.1675, 0.3531,
0.3858

 35.1094, 0.3957,
0.4530


 89.6076, 0.3763,
0.4210


 23.7472, 0.4044,
0.4686


 115.8588, 0.3716,
0.4136

 15.1462, 0.4144,
0.4877


 146.7932, 0.3674,
0.4073

 8.9220, 0.4248,
0.5113

 182.7952, 0.3638,
0.4018

 4.6904, 0.4456,
0.5544

224.2493, 0.3607,
0.3970

 2.0668, 0.4322,
0.5678

271.5397, 0.3579,

 0.6458, 0.3672,

0.3928

0.6328

325.0510, 0.3553,
0.3891

0.0000, 0.0000,
0.0000

49.6173, 0.3882,
0.4403

49.6173, 0.3882,
0.4403

48.6669, 0.4016,
0.4589

50.6706, 0.3734,
0.4192

47.8058, 0.4131,
0.4740

51.8261, 0.3578,
0.3965

47.0285, 0.4221,
0.4850


53.0915, 0.3420,
0.3731

46.3259, 0.4284,
0.4916

54.4722, 0.3265,
0.3499

45.6823, 0.4324,
0.4945

55.9729, 0.3116,
0.3273

 45.6349, 0.4327,
0.4947

 57.5981, 0.2977,
0.3059

 59.3522, 0.2847,
0.2859

 61.0691, 0.2743,
0.2699

 61.7406, 0.2745,
0.2715

Harmonies

Analogous

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



49.6173, 0.4301, 0.4063



49.6173, 0.3882, 0.4403



49.6173, 0.3284, 0.4430

Triad

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



49.6173, 0.3882, 0.4403



49.6173, 0.2004, 0.2781



49.6173, 0.3516, 0.2684

Complementary

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



49.6173, 0.3882, 0.4403



17.2647, 0.2216, 0.1857

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.



49.6173, 0.2864, 0.2396



49.6173, 0.3882, 0.4403



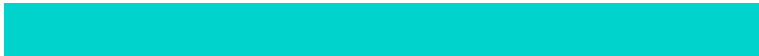
49.6173, 0.2050, 0.2413

Square

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



49.6173, 0.3882, 0.4403



49.6173, 0.2218, 0.3378



49.6173, 0.2345, 0.2293



49.6173, 0.4103, 0.3105

Rectangle

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



49.6173, 0.3882, 0.4403



49.6173, 0.2869, 0.4208



49.6173, 0.2345, 0.2293



49.6173, 0.3294, 0.2570

Sweetspot

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



49.6196, 0.3882, 0.4403



96.0190, 0.3357, 0.3637



22.0730, 0.4376, 0.3187



20.4408, 0.3390, 0.3687



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.



49.6196, 0.3882, 0.4403



87.0233, 0.4025, 0.4600



47.9963, 0.3488, 0.4637



12.2802, 0.3267, 0.3502



30.0570, 0.4325, 0.4948



1.4635, 0.4294, 0.4972

Inverse Universe

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



17.2647, 0.2216, 0.1857



22.5638, 0.2001, 0.1505



18.7591, 0.2568, 0.1887



10.4090, 0.2983, 0.3069



2.9106, 0.1515, 0.0652



0.1818, 0.1564, 0.0832

Previews

White Background



This preview shows how the Yxy color 49.6173, 0.3882, 0.4403 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 49.6173, 0.3882, 0.4403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

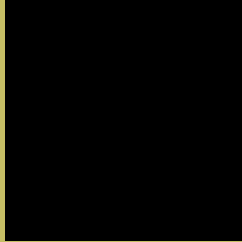
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.6173, 0.3882, 0.4403

Background



This preview shows how black text looks on a background with the Yxy color 49.6173, 0.3882, 0.4403.



This preview shows how white text looks on a background with the Yxy color 49.6173, 0.3882, 0.4403.

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

49.6173, 0.3882, 0.4403

Protanopia

49.5633, 0.3989, 0.4347

Deuteranopia

49.3140, 0.4219, 0.4131



Tritanopia

49.3559, 0.3256, 0.3122

Trichromacy



Original Color

49.6173, 0.3882, 0.4403

Protanomaly

49.5638, 0.3955, 0.4369

Deuteranomaly

49.1669, 0.4100, 0.4222

Tritanomaly

49.0667, 0.3500, 0.3591

Monochromacy



Original Color

49.6173, 0.3882, 0.4403

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.5297, 0.3409, 0.3724

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6173, 0.3882, 0.4403 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(197, 190, 100)` looks like.

```
.text, #text, p{  
    color:rgb(197, 190, 100)  
}
```

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(197, 190, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 190, 100) }
```

Border

The CSS property to change the border of an element to Yxy 49.6173, 0.3882, 0.4403 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(197, 190, 100) }
```

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

```
.border{ border-color:rgb(197, 190, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 190, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 190, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 190, 100);  
box-shadow:4px 4px 4px 4px rgb(197, 190,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6173, 0.3882, 0.4403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 190, 100) }
```

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

```
.background{ background-color: rgb(197,  
190, 100) }
```

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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