

Converting Colors

$Y_{xy}(49.7272, 0.3901, 0.4630)$

Have a look what the booklet for
Yxy(49.7272, 0.3901, 0.4630)
contains.

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Color

Yxy(49.7272, 0.3901, 0.4630)

Conversions

Conversions Part 1

Format	Color
Hex	BEC154
RGB	190, 193, 84
RGB Percent	75%, 76%, 33%
CMY	0.2551, 0.2431, 0.6706
CMYK	0.02, 0.00, 0.56, 0.24
HSL	62°, 47%, 54%
HSV	62°, 56%, 76%
XYZ	41.8976, 49.7272, 15.7774
YIQ	179.6770, 33.2010, -34.5350

Conversions

Conversions Part 2

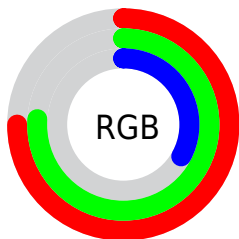
Format	Color
RYB	84, 193, 87
Decimal	12501332
CIELab	75.90, -15.60, 53.40
CIELCh	76, 55.634, 106.283
Yxy	49.7272, 0.3901, 0.4630
Android (android.graphics.Color)	4290691412 (0xFFBEC154)
YUV	179.6770, -47.1688, 9.0533
Hunter-Lab	70.5175, -17.3509, 36.0969

Details

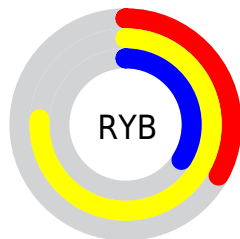
The Yxy color **49.7272, 0.3901, 0.4630** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted chartreuse. A complement of this color would be **12.2213, 0.2069, 0.1511**, and the grayscale version is **45.7020, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5140, 0.3789, 0.4399**, and **23.9182, 0.4035, 0.4964** is the 20% darker color. If you saturate the color by 10%, you get **49.3979, 0.3998, 0.4804**, and if you desaturate by 10%, it is **50.1446, 0.3784, 0.4423**.

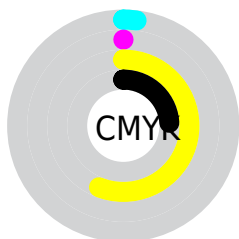
Distribution



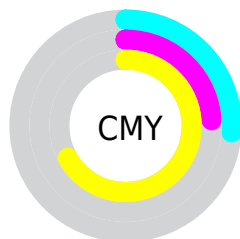
- Red (75%)
- Green (76%)
- Blue (33%)



- Red (33%)
- Yellow (76%)
- Blue (34%)



- Cyan (2%)
- Magenta (0%)
- Yellow (56%)
- Black (24%)




- Cyan (26%)
- Magenta (24%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.7272, 0.3901, 0.4630 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 49.7272, 0.3901, 0.4630 by changing the saturation by 10% instead.

 49.7272, 0.3901,
0.4630

 49.7272, 0.3901,
0.4630


385.5982, 0.3556,
0.3973


 35.1967, 0.3968,
0.4781


 89.7706, 0.3789,
0.4399

 23.8144, 0.4040,
0.4963


 116.0522, 0.3742,
0.4310


 15.1960, 0.4112,
0.5184


 147.0196, 0.3702,
0.4233

 8.9571, 0.4178,
0.5460

 183.0573, 0.3665,
0.4167

 4.7132, 0.4202,
0.5798

 224.5496, 0.3633,
0.4109

 2.0800, 0.3984,
0.6016

271.8809, 0.3605,

 0.6533, 0.2688,

0.4058

0.7312

325.4356, 0.3579,
0.4013

0.0000, 0.0000,
0.0000

49.7272, 0.3901,
0.4630

49.7272, 0.3901,
0.4630

49.3979, 0.3998,
0.4804

50.1446, 0.3784,
0.4423

49.1429, 0.4070,
0.4938

50.6496, 0.3651,
0.4192

48.9563, 0.4117,
0.5028

51.2500, 0.3510,
0.3946

48.8273, 0.4139,
0.5078

51.9510, 0.3364,
0.3695

48.7883, 0.4144,
0.5091

52.7575, 0.3219,
0.3447

■ 53.6739, 0.3078,
0.3207

■ 54.7045, 0.2945,
0.2980

■ 55.8532, 0.2820,
0.2769

■ 56.9476, 0.2721,
0.2600

Harmonies

Analogous

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



49.7272, 0.4443, 0.4237



49.7272, 0.3901, 0.4630



49.7272, 0.3188, 0.4625

Triad

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



49.7272, 0.3901, 0.4630



49.7272, 0.1819, 0.2600



49.7272, 0.3691, 0.2646

Complementary

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



49.7272, 0.3901, 0.4630



12.2213, 0.2069, 0.1511

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.



49.7272, 0.2914, 0.2294



49.7272, 0.3901, 0.4630



49.7272, 0.1914, 0.2230

Square

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



49.7272, 0.3901, 0.4630



49.7272, 0.2013, 0.3269



49.7272, 0.2285, 0.2141



49.7272, 0.4359, 0.3138

Rectangle

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



49.7272, 0.3901, 0.4630



49.7272, 0.2713, 0.4313



49.7272, 0.2285, 0.2141



49.7272, 0.3429, 0.2510

Sweetspot

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



49.7295, 0.3901, 0.4630



92.9205, 0.3375, 0.3715



18.6066, 0.4799, 0.3318



19.8775, 0.3405, 0.3766



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.



49.7295, 0.3901, 0.4630



88.3237, 0.4019, 0.4842



44.0803, 0.3427, 0.4882



11.7435, 0.3261, 0.3518



32.4495, 0.4145, 0.5091



1.4067, 0.4156, 0.5082

Inverse Universe

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



12.2213, 0.2069, 0.1511



14.5475, 0.1829, 0.1117



15.7959, 0.2580, 0.1722



9.7612, 0.2987, 0.3052



2.5900, 0.1510, 0.0606



0.1167, 0.1548, 0.0626

Previews

White Background



This preview shows how the Yxy color 49.7272, 0.3901, 0.4630 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 49.7272, 0.3901, 0.4630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

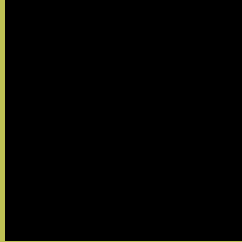
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.7272, 0.3901, 0.4630

Background



This preview shows how black text looks on a background with the Yxy color 49.7272, 0.3901, 0.4630.



This preview shows how white text looks on a background with the Yxy color 49.7272, 0.3901, 0.4630.

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

49.7272, 0.3901, 0.4630

Protanopia

49.5597, 0.4118, 0.4504

Deuteranopia

49.5343, 0.4354, 0.4259



Tritanopia

49.4508, 0.3178, 0.3108

Trichromacy



Original Color

49.7272, 0.3901, 0.4630

Protanomaly

49.4372, 0.4034, 0.4548

Deuteranomaly

49.1540, 0.4188, 0.4383

Tritanomaly

48.9348, 0.3474, 0.3673

Monochromacy



Original Color

49.7272, 0.3901, 0.4630

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

46.9326, 0.3439, 0.3822

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7272, 0.3901, 0.4630 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(190, 193, 84)` looks like.

```
.text, #text, p{  
    color:rgb(190, 193, 84)  
}
```

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(190, 193, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 193, 84) }
```

Border

The CSS property to change the border of an element to Yxy 49.7272, 0.3901, 0.4630 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(190, 193, 84) }
```

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

```
.border{ border-color:rgb(190, 193, 84) }
```

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

Here you see how a box with a 4 pixel rgb(190, 193, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 193, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 193, 84);  
box-shadow:4px 4px 4px 4px rgb(190, 193,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7272, 0.3901, 0.4630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 193, 84) }
```

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

```
.background{ background-color: rgb(190,  
193, 84) }
```

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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