

Converting Colors

$Yxy(49.4517, 0.3740, 0.4379)$

Have a look what the booklet for
Yxy(49.4517, 0.3740, 0.4379)
contains.

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Color

Yxy(49.4522, 0.3741, 0.4379)

Conversions

Conversions Part 1

Format	Color
Hex	BCC06B
RGB	188, 192, 107
RGB Percent	74%, 75%, 42%
CMY	0.2627, 0.2471, 0.5803
CMYK	0.02, 0.00, 0.44, 0.25
HSL	63°, 40%, 59%
HSV	63°, 44%, 75%
XYZ	42.2472, 49.4522, 21.2309
YIQ	181.1140, 24.9010, -27.2830

Conversions

Conversions Part 2

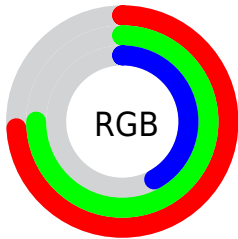
Format	Color
RYB	107, 192, 111
Decimal	12370027
CIELab	75.73, -13.81, 42.18
CIElCh	76, 44.386, 108.130
Yxy	49.4522, 0.3741, 0.4379
Android (android.graphics.Color)	4290560107 (0xFFBCC06B)
YUV	181.1140, -36.5382, 6.0390
Hunter-Lab	70.3223, -15.8272, 31.3254

Details

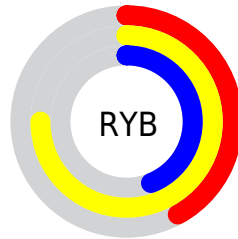
The Yxy color $49.4522, 0.3741, 0.4379$ is a light color, and the websafe version is hex `CCCC66`. A complement of this color would be $17.7020, 0.2339, 0.1941$, and the grayscale version is $46.4680, 0.3127, 0.3290$.

A 20% lighter version of the original color is $89.2657, 0.3648, 0.4180$, and $23.7472, 0.3866, 0.4674$ is the 20% darker color. If you saturate the color by 10%, you get $48.9804, 0.3859, 0.4595$, and if you desaturate by 10%, it is $50.0189, 0.3609, 0.4141$.

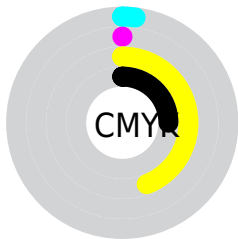
Distribution



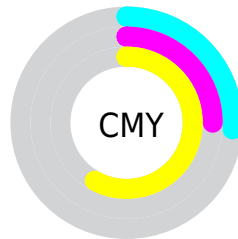
- Red (74%)
- Green (75%)
- Blue (42%)



- Red (42%)
- Yellow (75%)
- Blue (44%)



- Cyan (2%)
- Magenta (0%)
- Yellow (44%)
- Black (25%)





- Cyan (26%)
- Magenta (25%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.4522, 0.3741, 0.4379 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 49.4522, 0.3741, 0.4379 by changing the saturation by 10% instead.


 49.4522, 0.3741,
0.4379

 49.4522, 0.3741,
0.4379


384.5198, 0.3457,
0.3836

 34.9783, 0.3802,
0.4510


 89.3627, 0.3645,
0.4184


 23.6462, 0.3872,
0.4672


 115.5681, 0.3606,
0.4110

 15.0714, 0.3952,
0.4879


 146.4528, 0.3573,
0.4048

 8.8695, 0.4036,
0.5144

 182.4013, 0.3544,
0.3993

 4.6562, 0.4200,
0.5616

223.7978, 0.3518,
0.3946

 2.0470, 0.4085,
0.5915

271.0268, 0.3495,

 0.6345, 0.2953,

0.3905

0.7047

324.4727, 0.3475,
0.3869

0.0000, 0.0000,
0.0000

49.4522, 0.3741,
0.4379

49.4522, 0.3741,
0.4379

48.9804, 0.3859,
0.4595

50.0189, 0.3609,
0.4141

48.5909, 0.3957,
0.4781

50.6792, 0.3470,
0.3892

48.2790, 0.4032,
0.4928


51.4405, 0.3327,
0.3640


48.0370, 0.4081,
0.5032


52.3073, 0.3186,
0.3393


47.8555, 0.4105,
0.5094

53.2841, 0.3050,
0.3156

 47.7680, 0.4112,
0.5117

 54.3750, 0.2921,
0.2932

 55.5839, 0.2800,
0.2725

 56.5479, 0.2723,
0.2589

 56.6680, 0.2729,
0.2590

Harmonies

Analogous

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



49.4522, 0.4183, 0.4110



49.4522, 0.3741, 0.4379



49.4522, 0.3159, 0.4318

Triad

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



49.4522, 0.3741, 0.4379



49.4522, 0.2047, 0.2720



49.4522, 0.3622, 0.2787

Complementary

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



49.4522, 0.3741, 0.4379



17.7020, 0.2339, 0.1941

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.



49.4522, 0.2999, 0.2480



49.4522, 0.3741, 0.4379



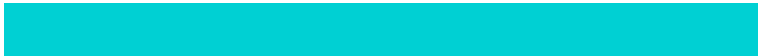
49.4522, 0.2140, 0.2415

Square

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



49.4522, 0.3741, 0.4379



49.4522, 0.2202, 0.3250



49.4522, 0.2469, 0.2344



49.4522, 0.4134, 0.3209

Rectangle

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



49.4522, 0.3741, 0.4379



49.4522, 0.2772, 0.4057



49.4522, 0.2469, 0.2344



49.4522, 0.3415, 0.2669

Sweetspot

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



49.4545, 0.3741, 0.4379



93.3665, 0.3312, 0.3613



23.3862, 0.4267, 0.3332



19.9598, 0.3344, 0.3669



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.



49.4545, 0.3741, 0.4379



88.7847, 0.3854, 0.4587



44.9328, 0.3374, 0.4528



11.7336, 0.3258, 0.3518



32.1533, 0.4113, 0.5116



1.3968, 0.4132, 0.5101

Inverse Universe

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



17.7020, 0.2339, 0.1941



23.9831, 0.2139, 0.1607



21.0314, 0.2743, 0.2077



9.7700, 0.2990, 0.3052



2.6094, 0.1517, 0.0609



0.1207, 0.1579, 0.0644

Previews

White Background



This preview shows how the Yxy color 49.4522, 0.3741, 0.4379 looks on a white background.

Color Contrast Check

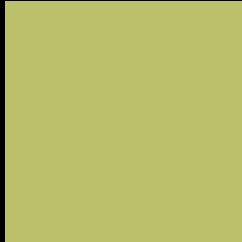
Large Text (above 18pt) WCAG AA × Fail

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 49.4522, 0.3741, 0.4379 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

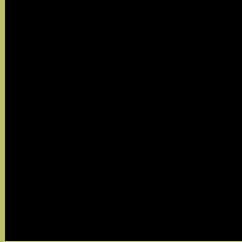
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.4522, 0.3741, 0.4379

Background



This preview shows how black text looks on a background with the Yxy color 49.4522, 0.3741, 0.4379.



This preview shows how white text looks on a background with the Yxy color 49.4522, 0.3741, 0.4379.

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

49.4522, 0.3741, 0.4379

Protanopia

49.5397, 0.3937, 0.4287

Deuteranopia

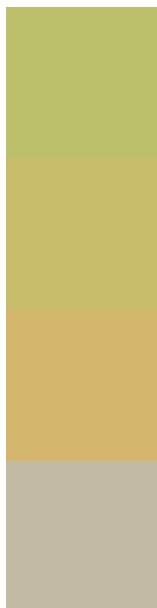
49.1353, 0.4146, 0.4066



Tritanopia

49.4472, 0.3152, 0.3118

Trichromacy



Original Color

49.4522, 0.3741, 0.4379

Protanomaly

49.5779, 0.3864, 0.4319

Deuteranomaly

48.9681, 0.3995, 0.4176

Tritanomaly

49.2675, 0.3371, 0.3571

Monochromacy



Original Color

49.4522, 0.3741, 0.4379

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

47.2214, 0.3366, 0.3701

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.4522, 0.3741, 0.4379 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(188, 192, 107)` looks like.

```
.text, #text, p{  
    color:rgb(188, 192, 107)  
}
```

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(188, 192, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 192, 107) }
```

Border

The CSS property to change the border of an element to Yxy 49.4522, 0.3741, 0.4379 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(188, 192, 107) }
```

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

```
.border{ border-color:rgb(188, 192, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 192, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 192, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 192, 107);  
box-shadow:4px 4px 4px 4px rgb(188, 192,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 49.4522, 0.3741, 0.4379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 192, 107) }
```

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

```
.background{ background-color: rgb(188,  
192, 107) }
```

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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