

Converting Colors

$Y_{xy}(49.8895, 0.3959, 0.4685)$

Have a look what the booklet for
Yxy(49.8895, 0.3959, 0.4685)
contains.

Yxy(49.8822, 0.3959, 0.4686)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(49.8822, 0.3959, 0.4686)

Conversions

Conversions Part 1

Format	Color
Hex	C0C14D
RGB	192, 193, 77
RGB Percent	75%, 76%, 30%
CMY	0.2471, 0.2431, 0.6981
CMYK	0.01, 0.00, 0.60, 0.24
HSL	61°, 48%, 53%
HSV	61°, 60%, 76%
XYZ	42.1433, 49.8822, 14.4239
YIQ	179.4770, 36.6400, -36.2880

Conversions

Conversions Part 2

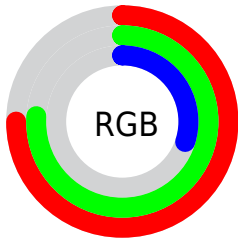
Format	Color
RYB	77, 193, 78
Decimal	12632397
CIELab	76.00, -15.27, 56.66
CIELCh	76, 58.682, 105.080
Yxy	49.8822, 0.3959, 0.4686
Android (android.graphics.Color)	4290822477 (0xFFC0C14D)
YUV	179.4770, -50.5212, 10.9827
Hunter-Lab	70.6273, -17.0869, 37.3306

Details

The Yxy color **49.8822, 0.3959, 0.4686** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted yellow. A complement of this color would be **10.7760, 0.1979, 0.1383**, and the grayscale version is **45.6065, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8993, 0.3842, 0.4442**, and **24.0374, 0.4102, 0.5018** is the 20% darker color. If you saturate the color by 10%, you get **49.6288, 0.4051, 0.4842**, and if you desaturate by 10%, it is **50.2211, 0.3845, 0.4494**.

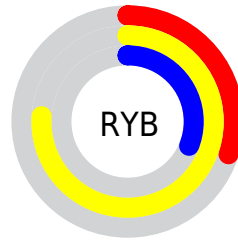
Distribution



Red (75%)

Green (76%)

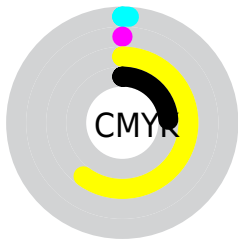
Blue (30%)



Red (30%)

Yellow (76%)

Blue (31%)

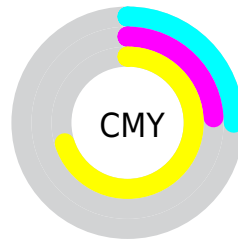


Cyan (1%)

Magenta (0%)

Yellow (60%)

Black (24%)



Cyan (25%)


Magenta (24%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.8822, 0.3959, 0.4686 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 49.8822, 0.3959, 0.4686 by changing the saturation by 10% instead.


 49.8822, 0.3959,
0.4686

 49.8822, 0.3959,
0.4686


386.2051, 0.3591,
0.4008


 35.3198, 0.4028,
0.4838


 90.0003, 0.3841,
0.4450

 23.9093, 0.4102,
0.5021


 116.3248, 0.3792,
0.4358


 15.2664, 0.4172,
0.5236


 147.3388, 0.3748,
0.4279

 9.0065, 0.4247,
0.5522

 183.4267, 0.3709,
0.4210

 4.7455, 0.4219,
0.5781

 224.9729, 0.3675,
0.4150

 2.0987, 0.4006,
0.5994

272.3618, 0.3644,

 0.6639, 0.2801,

0.4097

0.7199

325.9777, 0.3616,
0.4050

0.0000, 0.0000,
0.0000

49.8822, 0.3959,
0.4686

49.8822, 0.3959,
0.4686

49.6288, 0.4051,
0.4842

50.2211, 0.3845,
0.4494

49.4466, 0.4117,
0.4956

50.6451, 0.3714,
0.4273

49.3291, 0.4158,
0.5028

51.1623, 0.3572,
0.4034

49.2598, 0.4178,
0.5065

51.7781, 0.3423,
0.3785

52.4973, 0.3274,
0.3536

■ 53.3247, 0.3129,
0.3293

■ 54.2644, 0.2990,
0.3061

■ 55.3207, 0.2859,
0.2843

■ 56.4973, 0.2738,
0.2641

Harmonies

Analogous

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



49.8822, 0.4521, 0.4252



49.8822, 0.3959, 0.4686



49.8822, 0.3215, 0.4715

Triad

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



49.8822, 0.3959, 0.4686



49.8822, 0.1763, 0.2583



49.8822, 0.3687, 0.2598

Complementary

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



49.8822, 0.3959, 0.4686



10.7760, 0.1979, 0.1383

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.



49.8822, 0.2870, 0.2239



49.8822, 0.3959, 0.4686



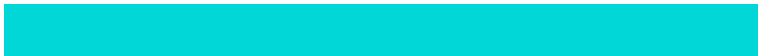
49.8822, 0.1851, 0.2188

Square

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



49.8822, 0.3959, 0.4686



49.8822, 0.1973, 0.3297



49.8822, 0.2224, 0.2089



49.8822, 0.4403, 0.3103

Rectangle

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



49.8822, 0.3959, 0.4686



49.8822, 0.2715, 0.4402



49.8822, 0.2224, 0.2089



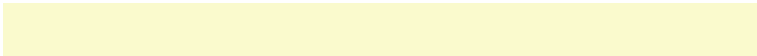
49.8822, 0.3409, 0.2458

Sweetspot

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



49.8845, 0.3959, 0.4686



92.9446, 0.3396, 0.3739



17.1795, 0.4985, 0.3296



19.8641, 0.3440, 0.3813



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.



49.8845, 0.3959, 0.4686



88.7621, 0.4073, 0.4881



43.8313, 0.3451, 0.4975



11.7536, 0.3263, 0.3518



32.7611, 0.4178, 0.5065



1.4170, 0.4182, 0.5062

Inverse Universe

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



10.7760, 0.1979, 0.1383



12.6340, 0.1747, 0.1000



14.3063, 0.2513, 0.1614



9.7522, 0.2985, 0.3052



2.5701, 0.1503, 0.0602



0.1126, 0.1515, 0.0608

Previews

White Background



This preview shows how the Yxy color 49.8822, 0.3959, 0.4686 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 49.8822, 0.3959, 0.4686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

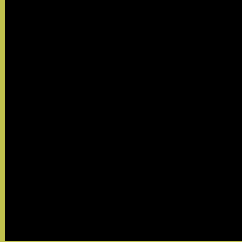
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.8822, 0.3959, 0.4686

Background



This preview shows how black text looks on a background with the Yxy color 49.8822, 0.3959, 0.4686.



This preview shows how white text looks on a background with the Yxy color 49.8822, 0.3959, 0.4686.

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

49.8822, 0.3959, 0.4686

Protanopia

50.0297, 0.4160, 0.4569

Deuteranopia

49.5907, 0.4409, 0.4314



Tritanopia

49.6844, 0.3203, 0.3121

Trichromacy



Original Color

49.8822, 0.3959, 0.4686

Protanomaly

50.0452, 0.4085, 0.4610

Deuteranomaly

49.1979, 0.4241, 0.4440

Tritanomaly

49.1070, 0.3517, 0.3709

Monochromacy



Original Color

49.8822, 0.3959, 0.4686

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

46.4243, 0.3466, 0.3851

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8822, 0.3959, 0.4686 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(192, 193, 77)` looks like.

```
.text, #text, p{  
    color:rgb(192, 193, 77)  
}
```

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(192, 193, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 193, 77) }
```

Border

The CSS property to change the border of an element to Yxy 49.8822, 0.3959, 0.4686 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(192, 193, 77) }
```

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

```
.border{ border-color:rgb(192, 193, 77) }
```

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

Here you see how a box with a 4 pixel rgb(192, 193, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 193, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 193, 77);  
box-shadow:4px 4px 4px 4px rgb(192, 193,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8822, 0.3959, 0.4686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 193, 77) }
```

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

```
.background{ background-color: rgb(192,  
193, 77) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor