

Converting Colors

$Y_{xy}(54.3845, 0.3992, 0.4679)$

Have a look what the booklet for
Yxy(54.3845, 0.3992, 0.4679)
contains.

Yxy(54.4296, 0.3991, 0.4680)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(54.4296, 0.3991, 0.4680)

Conversions

Conversions Part 1

Format	Color
Hex	CAC84F
RGB	202, 200, 79
RGB Percent	79%, 78%, 31%
CMY	0.2080, 0.2156, 0.6902
CMYK	0.00, 0.01, 0.61, 0.21
HSL	59°, 54%, 55%
HSV	59°, 61%, 79%
XYZ	46.4164, 54.4296, 15.4566
YIQ	186.8040, 40.0330, -37.2070

Conversions

Conversions Part 2

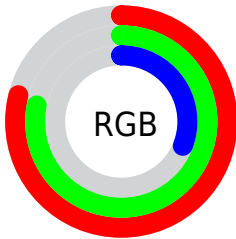
Format	Color
RYB	81, 202, 79
Decimal	13289551
CIELab	78.71, -14.50, 58.96
CIELCh	79, 60.720, 103.811
Yxy	54.4296, 0.3991, 0.4680
Android (android.graphics.Color)	4291479631 (0xFFCAC84F)
YUV	186.8040, -53.1474, 13.3269
Hunter-Lab	73.7764, -16.8057, 39.2219

Details

The Yxy color **54.4296, 0.3991, 0.4680** 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 **11.8036, 0.1959, 0.1375**, and the grayscale version is **49.8653, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4735, 0.3834, 0.4459**, and **26.6280, 0.4139, 0.4991** is the 20% darker color. If you saturate the color by 10%, you get **54.0329, 0.4086, 0.4830**, and if you desaturate by 10%, it is **54.9210, 0.3873, 0.4493**.

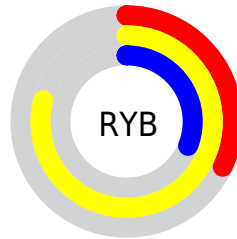
Distribution



Red (79%)

Green (78%)

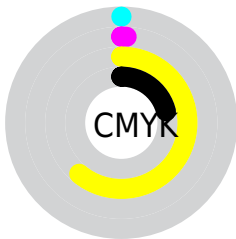
Blue (31%)



Red (32%)

Yellow (79%)

Blue (31%)

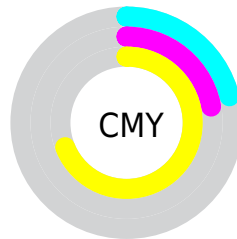


Cyan (0%)

Magenta (1%)

Yellow (61%)

Black (21%)



Cyan (21%)


Magenta (22%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.4296, 0.3991, 0.4680 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 54.4296, 0.3991, 0.4680 by changing the saturation by 10% instead.


 54.4296, 0.3991,
0.4680


 54.4296, 0.3991,
0.4680


403.7461, 0.3614,
0.4018

 38.9452, 0.4061,
0.4825

 96.7047, 0.3871,
0.4453


 26.7171, 0.4136,
0.4996


 124.2643, 0.3821,
0.4363

 17.3609, 0.4209,
0.5198


 156.6177, 0.3776,
0.4286

 10.4921, 0.4276,
0.5442

 194.1493, 0.3736,
0.4218

 5.7265, 0.4291,
0.5709

 237.2436, 0.3701,
0.4159

 2.6795, 0.4118,
0.5882

286.2848, 0.3669,

 0.9668, 0.3679,

0.4107

0.6321

341.6576, 0.3640,
0.4060

0.0000, 0.0000,
0.0000

54.4296, 0.3991,
0.4680

54.4296, 0.3991,
0.4680

54.0329, 0.4086,
0.4830

54.9210, 0.3873,
0.4493

53.7148, 0.4156,
0.4937

55.5069, 0.3739,
0.4278

53.4681, 0.4200,
0.5001

56.1963, 0.3592,
0.4043

53.2886, 0.4221,
0.5030

56.9953, 0.3441,
0.3798

57.9094, 0.3288,
0.3552

■ 58.9437, 0.3140,
0.3311

■ 60.1031, 0.2998,
0.3081

■ 61.3922, 0.2866,
0.2865

■ 62.4378, 0.2777,
0.2721

Harmonies

Analogous

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



54.4296, 0.4544, 0.4232



54.4296, 0.3991, 0.4680



54.4296, 0.3248, 0.4734

Triad

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



54.4296, 0.3991, 0.4680



54.4296, 0.1760, 0.2604



54.4296, 0.3654, 0.2576

Complementary

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



54.4296, 0.3991, 0.4680



11.8036, 0.1959, 0.1375

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.



54.4296, 0.2836, 0.2224



54.4296, 0.3991, 0.4680



54.4296, 0.1836, 0.2194

Square

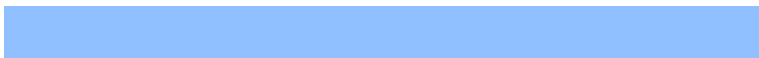
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



54.4296, 0.3991, 0.4680



54.4296, 0.1984, 0.3333



54.4296, 0.2198, 0.2083



54.4296, 0.4386, 0.3078

Rectangle

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



54.4296, 0.3991, 0.4680



54.4296, 0.2743, 0.4436



54.4296, 0.2198, 0.2083



54.4296, 0.3374, 0.2438

Sweetspot

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



54.4321, 0.3991, 0.4680



96.9241, 0.3400, 0.3733



18.7394, 0.4999, 0.3272



20.6528, 0.3445, 0.3806



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.



54.4321, 0.3991, 0.4680



91.3357, 0.4111, 0.4868



48.5889, 0.3469, 0.4991



13.0649, 0.3266, 0.3515



34.3160, 0.4221, 0.5031



1.7803, 0.4215, 0.5035

Inverse Universe

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



11.8036, 0.1959, 0.1375



13.0895, 0.1730, 0.0993



15.2957, 0.2479, 0.1579



10.8720, 0.2982, 0.3054



2.8012, 0.1503, 0.0611



0.1547, 0.1514, 0.0650

Previews

White Background



This preview shows how the Yxy color 54.4296, 0.3991, 0.4680 looks on a white background.

Color Contrast Check

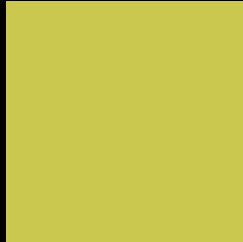
Large Text (above 18pt) WCAG AA × Fail

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 54.4296, 0.3991, 0.4680 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 54.4296, 0.3991, 0.4680

Background



This preview shows how black text looks on a background with the Yxy color 54.4296, 0.3991, 0.4680.



This preview shows how white text looks on a background with the Yxy color 54.4296, 0.3991, 0.4680.

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

54.4296, 0.3991, 0.4680

Protanopia

54.3320, 0.4163, 0.4569

Deuteranopia

54.0232, 0.4418, 0.4325



Tritanopia

54.5268, 0.3234, 0.3128

Trichromacy



Original Color

54.4296, 0.3991, 0.4680

Protanomaly

54.4796, 0.4105, 0.4611

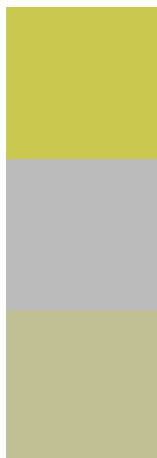
Deuteranomaly

53.7670, 0.4265, 0.4443

Tritanomaly

53.8352, 0.3555, 0.3715

Monochromacy



Original Color

54.4296, 0.3991, 0.4680

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

51.0439, 0.3469, 0.3855

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.4296, 0.3991, 0.4680 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(202, 200, 79)` looks like.

```
.text, #text, p{  
    color:rgb(202, 200, 79)  
}
```

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(202, 200, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 200, 79) }
```

Border

The CSS property to change the border of an element to Yxy 54.4296, 0.3991, 0.4680 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(202, 200, 79) }
```

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

```
.border{ border-color:rgb(202, 200, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 200, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 200, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 200, 79);  
box-shadow:4px 4px 4px 4px rgb(202, 200,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 54.4296, 0.3991, 0.4680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 200, 79) }
```

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

```
.background{ background-color: rgb(202,  
200, 79) }
```

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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