

Converting Colors

$Y_{xy}(40.2859, 0.4122, 0.4391)$

Have a look what the booklet for
Yxy(40.2859, 0.4122, 0.4391)
contains.

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Color

Yxy(40.4393, 0.4124, 0.4398)

Conversions

Conversions Part 1

Format	Color
Hex	C2A951
RGB	194, 169, 81
RGB Percent	76%, 66%, 32%
CMY	0.2392, 0.3372, 0.6824
CMYK	0.00, 0.13, 0.58, 0.24
HSL	47°, 48%, 54%
HSV	47°, 58%, 76%
XYZ	37.9199, 40.4393, 13.5901
YIQ	166.4430, 43.1480, -22.0680

Conversions

Conversions Part 2

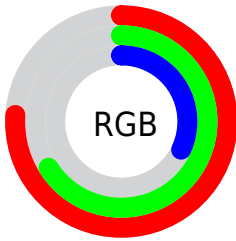
Format	Color
RYB	113, 194, 81
Decimal	12757329
CIELab	69.78, -1.66, 47.95
CIElCh	70, 47.977, 91.987
Yxy	40.4393, 0.4124, 0.4398
Android (android.graphics.Color)	4290947409 (0xFFC2A951)
YUV	166.4430, -42.1234, 24.1675
Hunter-Lab	63.5919, -4.8462, 31.8436

Details

The Yxy color **40.4393, 0.4124, 0.4398** is a light color, and the websafe version is hex **999933**. The color can be described as light muted orange. A complement of this color would be **15.9480, 0.2092, 0.1825**, and the grayscale version is **38.5518, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8874, 0.3959, 0.4208**, and **18.2196, 0.4363, 0.4655** is the 20% darker color. If you saturate the color by 10%, you get **38.6205, 0.4287, 0.4535**, and if you desaturate by 10%, it is **42.3974, 0.3948, 0.4230**.

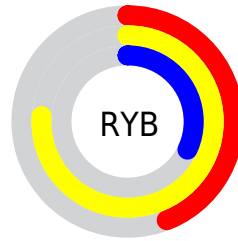
Distribution



Red (76%)

Green (66%)

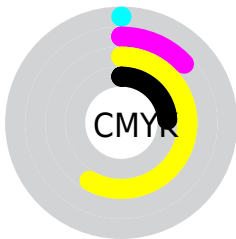
Blue (32%)



Red (44%)

Yellow (76%)

Blue (32%)

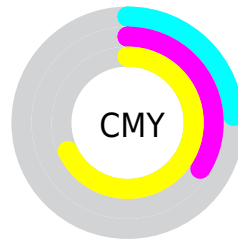


Cyan (0%)

Magenta (13%)

Yellow (58%)

Black (24%)



Cyan (24%)

Magenta (34%)

Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.4393, 0.4124, 0.4398 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 40.4393, 0.4124, 0.4398 by changing the saturation by 10% instead.


 40.4393, 0.4124,
0.4398

 40.4393, 0.4124,
0.4398


347.9717, 0.3640,
0.3855

 27.8812, 0.4231,
0.4520


 75.8320, 0.3956,
0.4208


 18.2361, 0.4357,
0.4666


 99.4354, 0.3891,
0.4135

 11.1197, 0.4501,
0.4835


 127.4894, 0.3834,
0.4071

 6.1474, 0.4715,
0.5088

 160.3784, 0.3785,
0.4016

 2.9349, 0.4792,
0.5208

 198.4867, 0.3742,
0.3968

 1.0978, 0.4760,
0.5240

242.1987, 0.3704,

 0.0000, 0.0000,

0.3926

0.0000

291.8989, 0.3670,
0.3889

■ 40.4393, 0.4124,
0.4398

■ 40.4393, 0.4124,
0.4398

■ 38.6205, 0.4287,
0.4535

■ 42.3974, 0.3948,
0.4230

■ 36.9275, 0.4430,
0.4632

■ 44.4961, 0.3767,
0.4043

■ 35.3531, 0.4546,
0.4684

■ 46.7434, 0.3588,
0.3844

■ 33.8835, 0.4634,
0.4691

■ 49.1452, 0.3415,
0.3644

■ 33.6333, 0.4649,
0.4691

■ 51.7069, 0.3252,
0.3447

■ 54.4336, 0.3102,
0.3258

■ 57.3300, 0.2964,
0.3080

■ 60.4006, 0.2839,
0.2914

■ 63.6119, 0.2729,
0.2766

Harmonies

Analogous

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



40.4393, 0.4485, 0.3951



40.4393, 0.4124, 0.4398



40.4393, 0.3518, 0.4582

Triad

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



40.4393, 0.4124, 0.4398



40.4393, 0.1958, 0.2922



40.4393, 0.3305, 0.2511

Complementary

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



40.4393, 0.4124, 0.4398



15.9480, 0.2092, 0.1825

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.



40.4393, 0.2626, 0.2264



40.4393, 0.4124, 0.4398



40.4393, 0.1917, 0.2436

Square

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



40.4393, 0.4124, 0.4398



40.4393, 0.2276, 0.3633



40.4393, 0.2145, 0.2226



40.4393, 0.4003, 0.2922

Rectangle

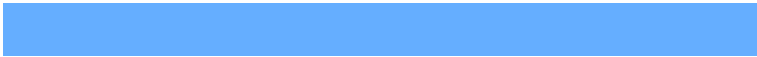
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.4393, 0.4124, 0.4398



40.4393, 0.3063, 0.4453



40.4393, 0.2145, 0.2226



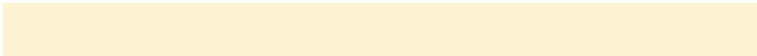
40.4393, 0.3065, 0.2408

Sweetspot

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



40.4412, 0.4124, 0.4398



89.4870, 0.3399, 0.3624



18.4218, 0.4466, 0.2953



19.3949, 0.3433, 0.3665



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.



40.4412, 0.4124, 0.4398



69.0752, 0.4330, 0.4567



47.0524, 0.3676, 0.4798



11.3682, 0.3270, 0.3468



22.2403, 0.4641, 0.4697



1.0567, 0.4523, 0.4791

Inverse Universe

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



15.9480, 0.2092, 0.1825



20.8006, 0.1873, 0.1459



13.1667, 0.2265, 0.1549



10.1012, 0.2983, 0.3105



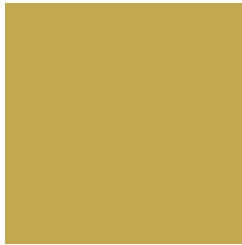
3.7939, 0.1569, 0.0848



0.2698, 0.1689, 0.1279

Previews

White Background



This preview shows how the Yxy color 40.4393, 0.4124, 0.4398 looks on a white background.

Color Contrast Check

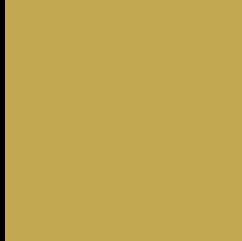
Large Text (above 18pt) WCAG AA × Fail

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 40.4393, 0.4124, 0.4398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

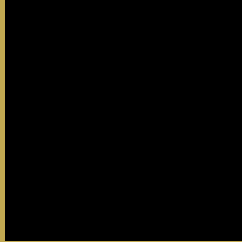
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.4393, 0.4124, 0.4398

Background



This preview shows how black text looks on a background with the Yxy color 40.4393, 0.4124, 0.4398.



This preview shows how white text looks on a background with the Yxy color 40.4393, 0.4124, 0.4398.

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

40.4393, 0.4124, 0.4398

Protanopia

40.5538, 0.4052, 0.4433

Deuteranopia

40.1668, 0.4322, 0.4228



Tritanopia

40.2931, 0.3436, 0.3139

Trichromacy



Original Color

40.4393, 0.4124, 0.4398

Protanomaly

40.4350, 0.4080, 0.4413

Deuteranomaly

40.3568, 0.4247, 0.4298

Tritanomaly

40.1715, 0.3714, 0.3618

Monochromacy



Original Color

40.4393, 0.4124, 0.4398

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.6168, 0.3498, 0.3742

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4393, 0.4124, 0.4398 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(194, 169, 81)` looks like.

```
.text, #text, p{  
    color:rgb(194, 169, 81)  
}
```

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(194, 169, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 169, 81) }
```

Border

The CSS property to change the border of an element to Yxy 40.4393, 0.4124, 0.4398 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(194, 169, 81) }
```

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

```
.border{ border-color:rgb(194, 169, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 169, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 169, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 169, 81);  
box-shadow:4px 4px 4px 4px rgb(194, 169,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4393, 0.4124, 0.4398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 169, 81) }
```

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

```
.background{ background-color: rgb(194,  
169, 81) }
```

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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