

Converting Colors

$Y_{xy}(40.0863, 0.4116, 0.4382)$

Have a look what the booklet for
Yxy(40.0863, 0.4116, 0.4382)
contains.

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Color

Yxy(39.9519, 0.4114, 0.4381)

Conversions

Conversions Part 1

Format	Color
Hex	C1A852
RGB	193, 168, 82
RGB Percent	76%, 66%, 32%
CMY	0.2432, 0.3411, 0.6783
CMYK	0.00, 0.13, 0.57, 0.24
HSL	46°, 47%, 54%
HSV	46°, 57%, 76%
XYZ	37.5170, 39.9519, 13.7246
YIQ	165.6710, 42.5060, -21.4460

Conversions

Conversions Part 2

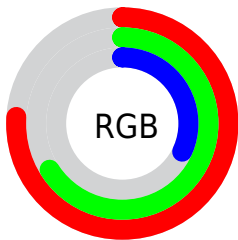
Format	Color
RYB	114, 193, 82
Decimal	12691538
CIELab	69.44, -1.48, 47.02
CIELCh	69, 47.046, 91.803
Yxy	39.9519, 0.4114, 0.4381
Android (android.graphics.Color)	4290881618 (0xFFC1A852)
YUV	165.6710, -41.2498, 23.9675
Hunter-Lab	63.2075, -4.6639, 31.3713

Details

The Yxy color **39.9519, 0.4114, 0.4381** 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 **16.1656, 0.2108, 0.1855**, and the grayscale version is **38.1558, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.1920, 0.3949, 0.4192**, and **17.9081, 0.4356, 0.4641** is the 20% darker color. If you saturate the color by 10%, you get **38.1221, 0.4280, 0.4520**, and if you desaturate by 10%, it is **41.9218, 0.3936, 0.4212**.

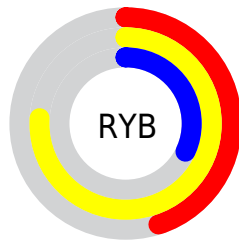
Distribution



Red (76%)

Green (66%)

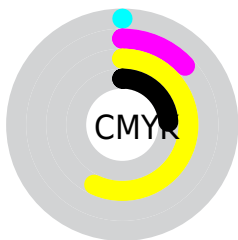
Blue (32%)



Red (45%)

Yellow (76%)

Blue (32%)

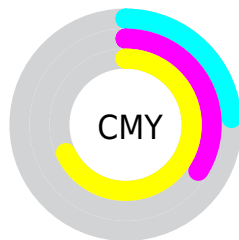


Cyan (0%)

Magenta (13%)

Yellow (57%)

Black (24%)



Cyan (24%)


Magenta (34%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.9519, 0.4114, 0.4381 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 39.9519, 0.4114, 0.4381 by changing the saturation by 10% instead.


 39.9519, 0.4114,
0.4381


 39.9519, 0.4114,
0.4381


345.9208, 0.3633,
0.3845

 27.5010, 0.4221,
0.4503


 75.0903, 0.3947,
0.4193


 17.9499, 0.4348,
0.4648


 98.5466, 0.3881,
0.4120


 10.9140, 0.4495,
0.4818


 126.4401, 0.3825,
0.4058

 6.0090, 0.4710,
0.5070

 159.1554, 0.3776,
0.4003

 2.8506, 0.4800,
0.5200

 197.0766, 0.3734,
0.3956

 1.0542, 0.4771,
0.5229

240.5884, 0.3696,

 0.0000, 0.0000,

0.3915

0.0000

290.0750, 0.3663,
0.3878

■ 39.9519, 0.4114,
0.4381

■ 39.9519, 0.4114,
0.4381

■ 38.1221, 0.4280,
0.4520

■ 41.9218, 0.3936,
0.4212

■ 36.4190, 0.4426,
0.4620

■ 44.0328, 0.3754,
0.4024

■ 34.8356, 0.4545,
0.4675

■ 46.2931, 0.3575,
0.3826

■ 33.3596, 0.4637,
0.4684

■ 48.7083, 0.3402,
0.3627

■ 33.0004, 0.4658,
0.4683

■ 51.2838, 0.3241,
0.3431

■ 54.0246, 0.3091,
0.3244

■ 56.9355, 0.2954,
0.3068

■ 60.0208, 0.2830,
0.2904

■ 63.2378, 0.2722,
0.2760

Harmonies

Analogous

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



39.9519, 0.4467, 0.3942



39.9519, 0.4114, 0.4381



39.9519, 0.3518, 0.4562

Triad

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



39.9519, 0.4114, 0.4381



39.9519, 0.1975, 0.2933



39.9519, 0.3298, 0.2520

Complementary

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



39.9519, 0.4114, 0.4381



16.1656, 0.2108, 0.1855

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.



39.9519, 0.2630, 0.2276



39.9519, 0.4114, 0.4381



39.9519, 0.1933, 0.2451

Square

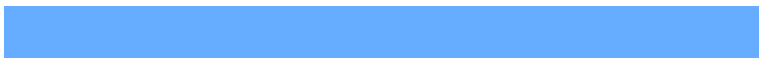
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



39.9519, 0.4114, 0.4381



39.9519, 0.2292, 0.3633



39.9519, 0.2156, 0.2241



39.9519, 0.3986, 0.2925

Rectangle

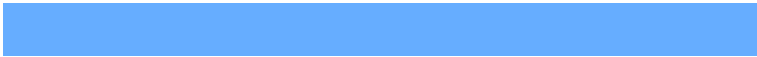
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



39.9519, 0.4114, 0.4381



39.9519, 0.3069, 0.4435



39.9519, 0.2156, 0.2241



39.9519, 0.3062, 0.2418

Sweetspot

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



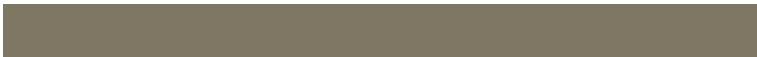
39.9538, 0.4114, 0.4381



87.3482, 0.3399, 0.3622



18.4581, 0.4438, 0.2956



18.5462, 0.3433, 0.3662



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.



39.9538, 0.4114, 0.4381



67.4738, 0.4320, 0.4550



46.5738, 0.3672, 0.4779



11.3612, 0.3270, 0.3467



22.0761, 0.4651, 0.4689



1.0508, 0.4529, 0.4786

Inverse Universe

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



16.1656, 0.2108, 0.1855



21.0519, 0.1892, 0.1496



13.3110, 0.2279, 0.1574



10.1077, 0.2983, 0.3106



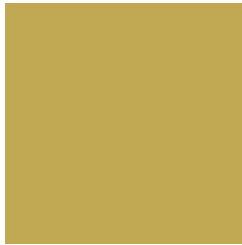
3.8331, 0.1571, 0.0856



0.2727, 0.1692, 0.1290

Previews

White Background



This preview shows how the Yxy color 39.9519, 0.4114, 0.4381 looks on a white background.

Color Contrast Check

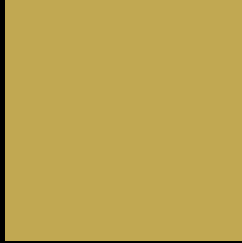
Large Text (above 18pt) WCAG AA × Fail

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 39.9519, 0.4114, 0.4381 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 39.9519, 0.4114, 0.4381

Background



This preview shows how black text looks on a background with the Yxy color 39.9519, 0.4114, 0.4381.



This preview shows how white text looks on a background with the Yxy color 39.9519, 0.4114, 0.4381.

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

39.9519, 0.4114, 0.4381

Protanopia

40.0654, 0.4042, 0.4416

Deuteranopia

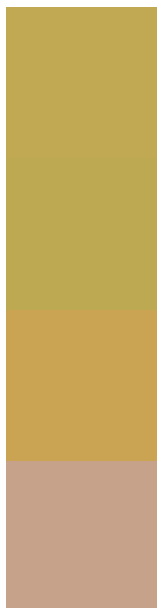
40.0361, 0.4305, 0.4223



Tritanopia

39.8115, 0.3428, 0.3125

Trichromacy



Original Color

39.9519, 0.4114, 0.4381

Protanomaly

39.9476, 0.4070, 0.4396

Deuteranomaly

39.8720, 0.4237, 0.4281

Tritanomaly

39.7105, 0.3698, 0.3593

Monochromacy



Original Color

39.9519, 0.4114, 0.4381

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 39.9519, 0.4114, 0.4381 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(193, 168, 82)` looks like.

```
.text, #text, p{  
    color:rgb(193, 168, 82)  
}
```

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(193, 168, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 168, 82) }
```

Border

The CSS property to change the border of an element to Yxy 39.9519, 0.4114, 0.4381 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(193, 168, 82) }
```

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

```
.border{ border-color:rgb(193, 168, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 168, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 168, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 168, 82);  
box-shadow:4px 4px 4px 4px rgb(193, 168,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9519, 0.4114, 0.4381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 168, 82) }
```

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

```
.background{ background-color: rgb(193,  
168, 82) }
```

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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