

Converting Colors

$Yxy(39.9106, 0.3903, 0.4025)$

Have a look what the booklet for
Yxy(39.9106, 0.3903, 0.4025)
contains.

Yxy(39.8676, 0.3910, 0.4028)	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(39.8676, 0.3910, 0.4028)

Conversions

Conversions Part 1

Format	Color
Hex	C2A66E
RGB	194, 166, 110
RGB Percent	76%, 65%, 43%
CMY	0.2392, 0.3490, 0.5686
CMYK	0.00, 0.14, 0.43, 0.24
HSL	40°, 41%, 60%
HSV	40°, 43%, 76%
XYZ	38.6997, 39.8676, 20.4089
YIQ	167.9880, 34.6640, -11.4800

Conversions

Conversions Part 2

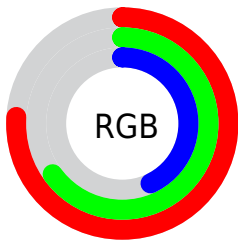
Format	Color
RYB	152, 194, 110
Decimal	12756590
CIELab	69.38, 2.59, 32.74
CIELCh	69, 32.842, 85.471
Yxy	39.8676, 0.3910, 0.4028
Android (android.graphics.Color)	4290946670 (0xFFC2A66E)
YUV	167.9880, -28.5881, 22.8125
Hunter-Lab	63.1408, -1.0918, 25.0344

Details

The Yxy color **39.8676, 0.3910, 0.4028** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **25.3894, 0.2400, 0.2412**, and the grayscale version is **39.2833, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0170, 0.3770, 0.3899**, and **17.8605, 0.4138, 0.4222** is the 20% darker color. If you saturate the color by 10%, you get **37.1996, 0.4120, 0.4186**, and if you desaturate by 10%, it is **42.7501, 0.3707, 0.3857**.

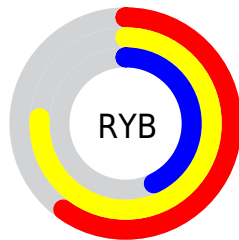
Distribution



Red (76%)

Green (65%)

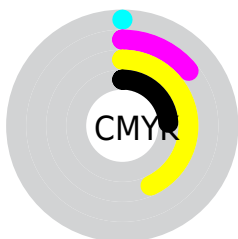
Blue (43%)



Red (60%)

Yellow (76%)

Blue (43%)

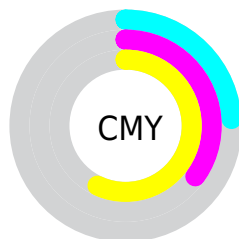


Cyan (0%)

Magenta (14%)

Yellow (43%)

Black (24%)



Cyan (24%)


Magenta (35%)


Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.8676, 0.3910, 0.4028 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 39.8676, 0.3910, 0.4028 by changing the saturation by 10% instead.

 39.8676, 0.3910,
0.4028

 39.8676, 0.3910,
0.4028

345.5652, 0.3515,
0.3660

 27.4353, 0.4007,
0.4117


 74.9619, 0.3767,
0.3896

 17.9004, 0.4129,
0.4227


 98.3926, 0.3713,
0.3846

 10.8785, 0.4286,
0.4365


 126.2584, 0.3667,
0.3803

 5.9852, 0.4489,
0.4539

 158.9435, 0.3628,
0.3766

 2.8361, 0.4959,
0.4960

196.8323, 0.3594,
0.3734

 1.0468, 0.5049,
0.4951

240.3093, 0.3564,

 0.0000, 0.0000,

0.3706

0.0000

289.7588, 0.3538,
0.3682

■ 39.8676, 0.3910,
0.4028

■ 39.8676, 0.3910,
0.4028

■ 37.1996, 0.4120,
0.4186

■ 42.7501, 0.3707,
0.3857

■ 34.7327, 0.4328,
0.4320

■ 45.8487, 0.3515,
0.3682

■ 32.4601, 0.4526,
0.4420

■ 49.1721, 0.3338,
0.3509

■ 30.3722, 0.4703,
0.4476

■ 52.7265, 0.3177,
0.3343

■ 28.4577, 0.4850,
0.4481

■ 56.5182, 0.3032,
0.3186

■ 27.2583, 0.4936,
0.4463

■ 60.5527, 0.2902,
0.3039

■ 64.8357, 0.2786,
0.2903

■ 68.6973, 0.2739,
0.2881

■ 72.1118, 0.2745,
0.2954

Harmonies

Analogous

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



39.8676, 0.4091, 0.3712



39.8676, 0.3910, 0.4028



39.8676, 0.3522, 0.4167

Triad

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



39.8676, 0.3910, 0.4028



39.8676, 0.2329, 0.3153



39.8676, 0.3151, 0.2679

Complementary

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



39.8676, 0.3910, 0.4028



25.3894, 0.2400, 0.2412

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.



39.8676, 0.2692, 0.2530



39.8676, 0.3910, 0.4028



39.8676, 0.2247, 0.2763

Square

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



39.8676, 0.3910, 0.4028



39.8676, 0.2612, 0.3635



39.8676, 0.2374, 0.2551



39.8676, 0.3637, 0.2963

Rectangle

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



39.8676, 0.3910, 0.4028



39.8676, 0.3206, 0.4109



39.8676, 0.2374, 0.2551



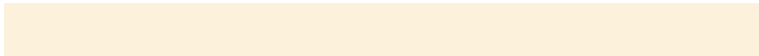
39.8676, 0.2988, 0.2613

Sweetspot

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



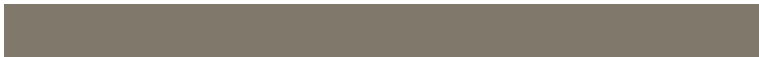
39.8695, 0.3910, 0.4028



89.1405, 0.3336, 0.3508



24.4991, 0.3843, 0.2895



19.2161, 0.3375, 0.3546



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.



39.8695, 0.3910, 0.4028



67.6138, 0.4110, 0.4179



49.5835, 0.3651, 0.4388



11.1743, 0.3273, 0.3443



18.0767, 0.4923, 0.4473



0.9035, 0.4722, 0.4633

Inverse Universe

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



25.3894, 0.2400, 0.2412



38.0214, 0.2231, 0.2176



19.2305, 0.2436, 0.2000



10.2844, 0.2984, 0.3132



5.1576, 0.1638, 0.1097



0.3511, 0.1768, 0.1564

Previews

White Background



This preview shows how the Yxy color 39.8676, 0.3910, 0.4028 looks on a white background.

Color Contrast Check

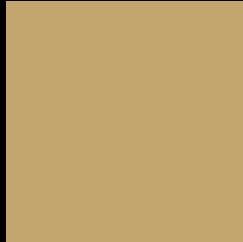
Large Text (above 18pt) WCAG AA × Fail

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 39.8676, 0.3910, 0.4028 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

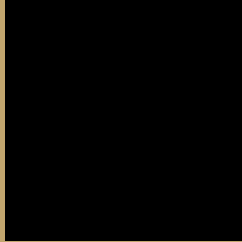
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.8676, 0.3910, 0.4028

Background



This preview shows how black text looks on a background with the Yxy color 39.8676, 0.3910, 0.4028.



This preview shows how white text looks on a background with the Yxy color 39.8676, 0.3910, 0.4028.

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

39.8676, 0.3910, 0.4028

Protanopia

40.0875, 0.3780, 0.4094

Deuteranopia

39.8257, 0.4025, 0.3939



Tritanopia

39.6734, 0.3418, 0.3125

Trichromacy



Original Color

39.8676, 0.3910, 0.4028

Protanomaly

40.2150, 0.3825, 0.4070

Deuteranomaly

39.6214, 0.3979, 0.3962

Tritanomaly

39.6654, 0.3604, 0.3448

Monochromacy



Original Color

39.8676, 0.3910, 0.4028

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

39.0911, 0.3399, 0.3570

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8676, 0.3910, 0.4028 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, 166, 110)` looks like.

```
.text, #text, p{  
    color:rgb(194, 166, 110)  
}
```

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, 166, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 166, 110) }
```

Border

The CSS property to change the border of an element to Yxy 39.8676, 0.3910, 0.4028 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, 166, 110) }
```

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

```
.border{ border-color:rgb(194, 166, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 166, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 166, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 166, 110);  
box-shadow:4px 4px 4px 4px rgb(194, 166,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8676, 0.3910, 0.4028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 166, 110) }
```

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

```
.background{ background-color: rgb(194,  
166, 110) }
```

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