

Converting Colors

$Y_{xy}(40.6594, 0.3927, 0.4114)$

Have a look what the booklet for
Yxy(40.6594, 0.3927, 0.4114)
contains.

Yxy(40.7540, 0.3918, 0.4117)	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(40.7540, 0.3918, 0.4117)

Conversions

Conversions Part 1

Format	Color
Hex	C1A96A
RGB	193, 169, 106
RGB Percent	76%, 66%, 42%
CMY	0.2431, 0.3373, 0.5844
CMYK	0.00, 0.12, 0.45, 0.24
HSL	43°, 41%, 59%
HSV	43°, 45%, 76%
XYZ	38.7841, 40.7540, 19.4514
YIQ	168.9940, 34.5270, -14.5050

Conversions

Conversions Part 2

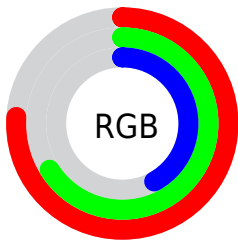
Format	Color
RYB	139, 193, 106
Decimal	12691818
CIELab	70.00, 0.16, 35.64
CIELCh	70, 35.641, 89.751
Yxy	40.7540, 0.3918, 0.4117
Android (android.graphics.Color)	4290881898 (0xFFC1A96A)
YUV	168.9940, -31.0560, 21.0533
Hunter-Lab	63.8389, -3.2737, 26.6218

Details

The Yxy color **40.7540, 0.3918, 0.4117** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **22.8779, 0.2354, 0.2286**, and the grayscale version is **39.8177, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2892, 0.3779, 0.3970**, and **18.4213, 0.4136, 0.4334** is the 20% darker color. If you saturate the color by 10%, you get **38.4570, 0.4111, 0.4282**, and if you desaturate by 10%, it is **43.2259, 0.3726, 0.3936**.

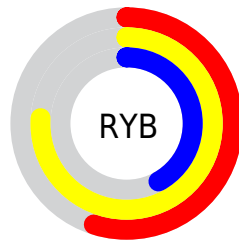
Distribution



Red (76%)

Green (66%)

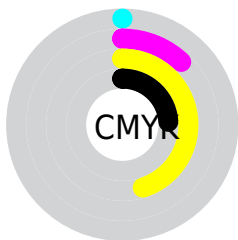
Blue (42%)



Red (55%)

Yellow (76%)

Blue (42%)

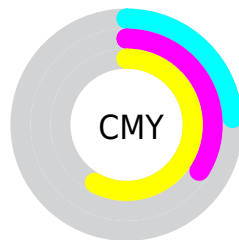


Cyan (0%)

Magenta (12%)

Yellow (45%)

Black (24%)



Cyan (24%)


Magenta (34%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.7540, 0.3918, 0.4117 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 40.7540, 0.3918, 0.4117 by changing the saturation by 10% instead.

 40.7540, 0.3918,
0.4117

 40.7540, 0.3918,
0.4117


349.2914, 0.3523,
0.3704


 28.1269, 0.4013,
0.4216

 76.3103, 0.3776,
0.3969


 18.4214, 0.4131,
0.4339


 100.0083, 0.3723,
0.3913

 11.2529, 0.4279,
0.4493


 128.1655, 0.3677,
0.3865

 6.2372, 0.4463,
0.4685

 161.1661, 0.3637,
0.3824

 2.9899, 0.4881,
0.5119

199.3946, 0.3603,
0.3788

 1.1264, 0.4883,
0.5117

243.2354, 0.3573,

 0.0004, 0.9204,

0.3757

0.0796

293.0729, 0.3547,
0.3729

0.0000, 0.0000,
0.0000

40.7540, 0.3918,
0.4117

40.7540, 0.3918,
0.4117

38.4570, 0.4111,
0.4282

43.2259, 0.3726,
0.3936

36.3222, 0.4298,
0.4422

45.8734, 0.3540,
0.3748

34.3435, 0.4469,
0.4524

48.7047, 0.3365,
0.3561

32.5120, 0.4616,
0.4581

51.7252, 0.3204,
0.3379

30.8169, 0.4733,
0.4590

54.9403, 0.3057,
0.3207

■ 30.0250, 0.4784,
0.4583

■ 58.3552, 0.2923,
0.3045

■ 61.9746, 0.2804,
0.2895

■ 65.4510, 0.2727,
0.2811

■ 68.1515, 0.2732,
0.2871

Harmonies

Analogous

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



40.7540, 0.4154, 0.3792



40.7540, 0.3918, 0.4117



40.7540, 0.3478, 0.4237

Triad

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



40.7540, 0.3918, 0.4117



40.7540, 0.2246, 0.3069



40.7540, 0.3227, 0.2673

Complementary

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



40.7540, 0.3918, 0.4117



22.8779, 0.2354, 0.2286

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.



40.7540, 0.2722, 0.2490



40.7540, 0.3918, 0.4117



40.7540, 0.2192, 0.2676

Square

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



40.7540, 0.3918, 0.4117



40.7540, 0.2518, 0.3588



40.7540, 0.2357, 0.2483



40.7540, 0.3743, 0.2990

Rectangle

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



40.7540, 0.3918, 0.4117



40.7540, 0.3135, 0.4145



40.7540, 0.2357, 0.2483



40.7540, 0.3050, 0.2594

Sweetspot

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



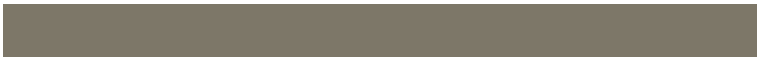
40.7559, 0.3918, 0.4117



87.6726, 0.3351, 0.3545



23.2723, 0.3968, 0.2958



18.5646, 0.3387, 0.3585



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.



40.7559, 0.3918, 0.4117



68.9619, 0.4107, 0.4279



48.2046, 0.3618, 0.4454



11.2732, 0.3271, 0.3456



20.1057, 0.4775, 0.4591



0.9792, 0.4617, 0.4716

Inverse Universe

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



22.8779, 0.2354, 0.2286



33.0558, 0.2175, 0.2022



18.5024, 0.2456, 0.1957



10.1903, 0.2984, 0.3118



4.3868, 0.1600, 0.0960



0.3092, 0.1728, 0.1422

Previews

White Background



This preview shows how the Yxy color 40.7540, 0.3918, 0.4117 looks on a white background.

Color Contrast Check

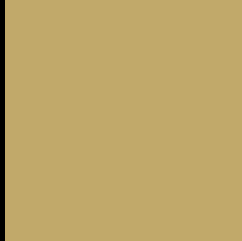
Large Text (above 18pt) WCAG AA × Fail

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 40.7540, 0.3918, 0.4117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

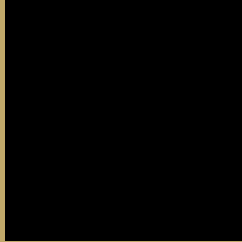
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.7540, 0.3918, 0.4117

Background



This preview shows how black text looks on a background with the Yxy color 40.7540, 0.3918, 0.4117.



This preview shows how white text looks on a background with the Yxy color 40.7540, 0.3918, 0.4117.

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

40.7540, 0.3918, 0.4117

Protanopia

40.7522, 0.3838, 0.4148

Deuteranopia

40.8779, 0.4079, 0.4002



Tritanopia

40.7862, 0.3393, 0.3138

Trichromacy



Original Color

40.7540, 0.3918, 0.4117

Protanomaly

40.6298, 0.3864, 0.4129

Deuteranomaly

40.8905, 0.4017, 0.4041

Tritanomaly

40.5912, 0.3585, 0.3488

Monochromacy



Original Color

40.7540, 0.3918, 0.4117

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.9162, 0.3413, 0.3610

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7540, 0.3918, 0.4117 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, 169, 106)` looks like.

```
.text, #text, p{  
    color:rgb(193, 169, 106)  
}
```

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, 169, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 169, 106) }
```

Border

The CSS property to change the border of an element to Yxy 40.7540, 0.3918, 0.4117 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, 169, 106) }
```

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

```
.border{ border-color:rgb(193, 169, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 169, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 169, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 169, 106);  
box-shadow:4px 4px 4px 4px rgb(193, 169,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7540, 0.3918, 0.4117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 169, 106) }
```

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

```
.background{ background-color: rgb(193,  
169, 106) }
```

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