

Converting Colors

$Yxy(40.7494, 0.4029, 0.3991)$

Have a look what the booklet for
Yxy(40.7494, 0.4029, 0.3991)
contains.

Yxy(40.8518, 0.4025, 0.3999)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.8518, 0.4025, 0.3999)

Conversions

Conversions Part 1

Format	Color
Hex	CCA56D
RGB	204, 165, 109
RGB Percent	80%, 65%, 43%
CMY	0.2000, 0.3529, 0.5725
CMYK	0.00, 0.19, 0.47, 0.20
HSL	35°, 48%, 61%
HSV	35°, 47%, 80%
XYZ	41.1174, 40.8518, 20.1858
YIQ	170.2770, 41.2200, -9.1480

Conversions

Conversions Part 2

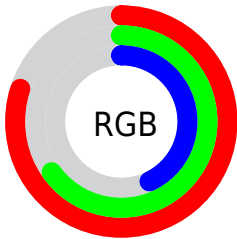
Format	Color
RYB	175, 204, 109
Decimal	13411693
CIELab	70.07, 7.15, 34.36
CIELCh	70, 35.096, 78.242
Yxy	40.8518, 0.4025, 0.3999
Android (android.graphics.Color)	4291601773 (0xFFCCA56D)
YUV	170.2770, -30.2096, 29.5751
Hunter-Lab	63.9154, 2.9788, 26.0158

Details

The Yxy color **40.8518, 0.4025, 0.3999** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **28.7895, 0.2359, 0.2444**, and the grayscale version is **40.4832, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0196, 0.3804, 0.3895**, and **18.4324, 0.4284, 0.4170** is the 20% darker color. If you saturate the color by 10%, you get **37.5414, 0.4260, 0.4135**, and if you desaturate by 10%, it is **44.4658, 0.3800, 0.3848**.

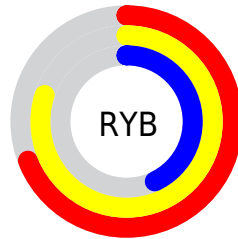
Distribution



Red (80%)

Green (65%)

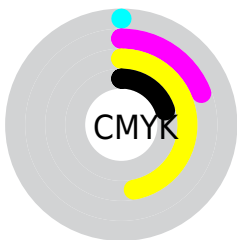
Blue (43%)



Red (69%)

Yellow (80%)

Blue (43%)

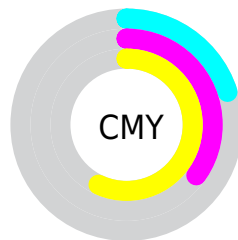


Cyan (0%)

Magenta (19%)

Yellow (47%)

Black (20%)



Cyan (20%)


Magenta (35%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8518, 0.4025, 0.3999 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 40.8518, 0.4025, 0.3999 by changing the saturation by 10% instead.


 40.8518, 0.4025,
0.3999

 40.8518, 0.4025,
0.3999


349.7008, 0.3572,
0.3654

 28.2033, 0.4136,
0.4079


 76.4589, 0.3861,
0.3877


 18.4790, 0.4276,
0.4176


 100.1862, 0.3799,
0.3831

 11.2944, 0.4454,
0.4294


 128.3753, 0.3747,
0.3790

 6.2652, 0.4685,
0.4433

 161.4106, 0.3702,
0.3756

 3.0070, 0.5196,
0.4777

199.6764, 0.3663,
0.3725

 1.1354, 0.5335,
0.4665

243.5571, 0.3629,

 0.0080, 0.9581,

0.3698

0.0419

293.4371, 0.3599,
0.3675

0.0000, 0.0000,
0.0000

40.8518, 0.4025,
0.3999

40.8518, 0.4025,
0.3999

37.5414, 0.4260,
0.4135

44.4658, 0.3800,
0.3848

34.5180, 0.4498,
0.4244

48.3878, 0.3591,
0.3691

31.7715, 0.4725,
0.4315

52.6291, 0.3400,
0.3535

29.2884, 0.4929,
0.4337

57.1987, 0.3229,
0.3385

27.0526, 0.5100,
0.4306

62.1053, 0.3077,
0.3242

■ 26.3337, 0.5155,
0.4289

■ 67.3568, 0.2942,
0.3109

■ 72.9612, 0.2824,
0.2986

■ 77.7680, 0.2811,
0.3045

■ 82.5952, 0.2817,
0.3135

Harmonies

Analogous

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



40.8518, 0.4152, 0.3636



40.8518, 0.4025, 0.3999



40.8518, 0.3655, 0.4209

Triad

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



40.8518, 0.4025, 0.3999



40.8518, 0.2338, 0.3262



40.8518, 0.3025, 0.2594

Complementary

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



40.8518, 0.4025, 0.3999



28.7895, 0.2359, 0.2444

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.



40.8518, 0.2570, 0.2477



40.8518, 0.4025, 0.3999



40.8518, 0.2200, 0.2813

Square

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



40.8518, 0.4025, 0.3999



40.8518, 0.2681, 0.3775



40.8518, 0.2281, 0.2544



40.8518, 0.3549, 0.2862

Rectangle

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



40.8518, 0.4025, 0.3999



40.8518, 0.3331, 0.4200



40.8518, 0.2281, 0.2544



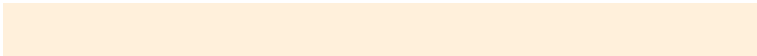
40.8518, 0.2860, 0.2536

Sweetspot

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



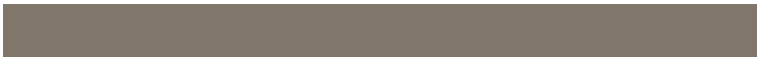
40.8537, 0.4025, 0.3999



88.9144, 0.3358, 0.3499



25.9316, 0.3842, 0.2786



18.6868, 0.3397, 0.3532



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.



40.8537, 0.4025, 0.3999



62.0875, 0.4264, 0.4137



56.0371, 0.3742, 0.4448



12.2944, 0.3276, 0.3427



16.7618, 0.5138, 0.4303



1.0119, 0.4905, 0.4487

Inverse Universe

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



28.7895, 0.2359, 0.2444



39.7343, 0.2192, 0.2217



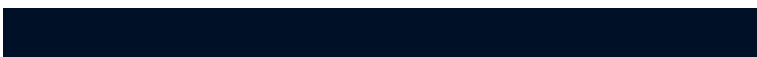
19.0733, 0.2315, 0.1864



11.5877, 0.2983, 0.3150



6.8827, 0.1697, 0.1308



0.5033, 0.1805, 0.1699

Previews

White Background



This preview shows how the Yxy color 40.8518, 0.4025, 0.3999 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 40.8518, 0.4025, 0.3999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

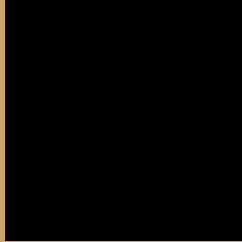
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.8518, 0.4025, 0.3999

Background



This preview shows how black text looks on a background with the Yxy color 40.8518, 0.4025, 0.3999.



This preview shows how white text looks on a background with the Yxy color 40.8518, 0.4025, 0.3999.

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

40.8518, 0.4025, 0.3999

Protanopia

40.7348, 0.3786, 0.4087

Deuteranopia

40.9204, 0.4061, 0.3979



Tritanopia

40.7179, 0.3528, 0.3130

Trichromacy



Original Color

40.8518, 0.4025, 0.3999

Protanomaly

40.8611, 0.3875, 0.4055

Deuteranomaly

40.7769, 0.4051, 0.3981

Tritanomaly

40.6896, 0.3717, 0.3443

Monochromacy



Original Color

40.8518, 0.4025, 0.3999

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.0885, 0.3436, 0.3565

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8518, 0.4025, 0.3999 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(204, 165, 109)` looks like.

```
.text, #text, p{  
    color:rgb(204, 165, 109)  
}
```

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(204, 165, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 165, 109) }
```

Border

The CSS property to change the border of an element to Yxy 40.8518, 0.4025, 0.3999 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(204, 165, 109) }
```

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

```
.border{ border-color:rgb(204, 165, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 165, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 165, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 165, 109);  
box-shadow:4px 4px 4px 4px rgb(204, 165,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8518, 0.4025, 0.3999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 165, 109) }
```

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

```
.background{ background-color: rgb(204,  
165, 109) }
```

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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