

Converting Colors

$Y_{xy}(40.3282, 0.4159, 0.3837)$

Have a look what the booklet for
Yxy(40.3282, 0.4159, 0.3837)
contains.

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Color

Yxy(40.3977, 0.4160, 0.3835)

Conversions

Conversions Part 1

Format	Color
Hex	D99E71
RGB	217, 158, 113
RGB Percent	85%, 62%, 44%
CMY	0.1491, 0.3804, 0.5567
CMYK	0.00, 0.27, 0.48, 0.15
HSL	26°, 58%, 65%
HSV	26°, 48%, 85%
XYZ	43.8212, 40.3977, 21.1206
YIQ	170.5110, 49.6090, -1.4870

Conversions

Conversions Part 2

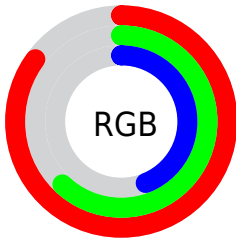
Format	Color
R _Y B	217, 192, 113
Decimal	14261873
CIE Lab	69.75, 16.64, 32.07
CIE LCh	70, 36.136, 62.573
Yxy	40.3977, 0.4160, 0.3835
Android (android.graphics.Color)	4292451953 (0xFFD99E71)
YUV	170.5110, -28.3529, 40.7709
Hunter-Lab	63.5592, 11.8392, 24.7895

Details

The Yxy color **40.3977, 0.4160, 0.3835** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **38.0314, 0.2379, 0.2654**, and the grayscale version is **40.5949, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.5651, 0.3800, 0.3786**, and **18.3591, 0.4462, 0.3962** is the 20% darker color. If you saturate the color by 10%, you get **35.9759, 0.4454, 0.3932**, and if you desaturate by 10%, it is **45.3611, 0.3890, 0.3723**.

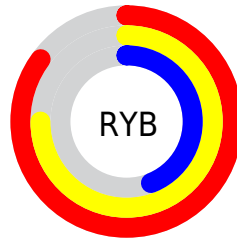
Distribution



Red (85%)

Green (62%)

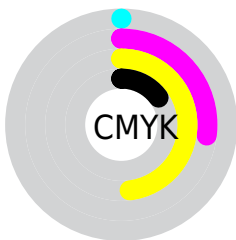
Blue (44%)



Red (85%)

Yellow (75%)

Blue (44%)

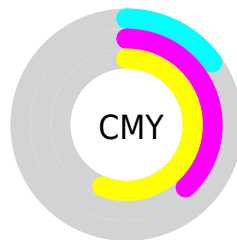


Cyan (0%)

Magenta (27%)

Yellow (48%)

Black (15%)



Cyan (15%)

Magenta (38%)

Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.3977, 0.4160, 0.3835 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 40.3977, 0.4160, 0.3835 by changing the saturation by 10% instead.


 40.3977, 0.4160,
0.3835


 40.3977, 0.4160,
0.3835


347.7970, 0.3632,
0.3581

 27.8488, 0.4292,
0.3890


 75.7687, 0.3967,
0.3748

 18.2117, 0.4459,
0.3953

 99.3596, 0.3895,
0.3714

 11.1021, 0.4678,
0.4026


 127.4000, 0.3834,
0.3684

 6.1355, 0.4968,
0.4099

 160.2741, 0.3782,
0.3658

 2.9277, 0.5525,
0.4273

198.3665, 0.3737,
0.3635

 1.0941, 0.5911,
0.4089

242.0615, 0.3698,

 0.0000, 1.0000,

0.3615

0.0000

291.7435, 0.3663,
0.3597

0.0000, 0.0000,
0.0000

40.3977, 0.4160,
0.3835

40.3977, 0.4160,
0.3835

35.9759, 0.4454,
0.3932

45.3611, 0.3890,
0.3723

32.0689, 0.4761,
0.4002

50.8795, 0.3649,
0.3605

28.6562, 0.5064,
0.4032

56.9732, 0.3438,
0.3488

25.7129, 0.5342,
0.4011

63.6597, 0.3254,
0.3375

23.2088, 0.5575,
0.3937

70.9554, 0.3096,
0.3268

■ 22.7336, 0.5621,
0.3919

■ 78.8763, 0.2960,
0.3170

■ 86.7818, 0.2896,
0.3178

■ 93.4896, 0.2900,
0.3289

Harmonies

Analogous

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



40.3977, 0.4130, 0.3427



40.3977, 0.4160, 0.3835



40.3977, 0.3895, 0.4153

Triad

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



40.3977, 0.4160, 0.3835



40.3977, 0.2473, 0.3542



40.3977, 0.2759, 0.2489

Complementary

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



40.3977, 0.4160, 0.3835



38.0314, 0.2379, 0.2654

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.



40.3977, 0.2372, 0.2463



40.3977, 0.4160, 0.3835



40.3977, 0.2217, 0.3019

Square

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



40.3977, 0.4160, 0.3835



40.3977, 0.2913, 0.4024



40.3977, 0.2184, 0.2638



40.3977, 0.3280, 0.2689

Rectangle

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



40.3977, 0.4160, 0.3835



40.3977, 0.3602, 0.4250



40.3977, 0.2184, 0.2638



40.3977, 0.2610, 0.2459

Sweetspot

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



40.3997, 0.4160, 0.3835



85.6615, 0.3365, 0.3444



29.6109, 0.3660, 0.2572



17.8953, 0.3407, 0.3469



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.



40.3997, 0.4160, 0.3835



52.0878, 0.4442, 0.3929



61.2122, 0.3873, 0.4371



13.9735, 0.3281, 0.3392



13.9651, 0.5596, 0.3939



1.0739, 0.5312, 0.4164

Inverse Universe

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



38.0314, 0.2379, 0.2654



48.2618, 0.2242, 0.2498



22.3670, 0.2241, 0.1909



13.8371, 0.2982, 0.3186



11.8389, 0.1838, 0.1815



0.9371, 0.1911, 0.2078

Previews

White Background



This preview shows how the Yxy color 40.3977, 0.4160, 0.3835 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 40.3977, 0.4160, 0.3835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

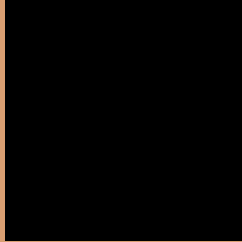
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.3977, 0.4160, 0.3835

Background



This preview shows how black text looks on a background with the Yxy color 40.3977, 0.4160, 0.3835.



This preview shows how white text looks on a background with the Yxy color 40.3977, 0.4160, 0.3835.

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

40.3977, 0.4160, 0.3835

Protanopia

40.7481, 0.3724, 0.4011

Deuteranopia

40.3434, 0.4020, 0.3936



Tritanopia

40.4730, 0.3721, 0.3160

Trichromacy



Original Color

40.3977, 0.4160, 0.3835

Protanomaly

40.4037, 0.3887, 0.3944

Deuteranomaly

40.2149, 0.4072, 0.3902

Tritanomaly

40.3712, 0.3891, 0.3401

Monochromacy



Original Color

40.3977, 0.4160, 0.3835

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

40.1658, 0.3481, 0.3506

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3977, 0.4160, 0.3835 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(217, 158, 113)` looks like.

```
.text, #text, p{  
    color:rgb(217, 158, 113)  
}
```

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(217, 158, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 158, 113) }
```

Border

The CSS property to change the border of an element to Yxy 40.3977, 0.4160, 0.3835 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(217, 158, 113) }
```

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

```
.border{ border-color:rgb(217, 158, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 158, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 158, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 158, 113);  
box-shadow:4px 4px 4px 4px rgb(217, 158,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3977, 0.4160, 0.3835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 158, 113) }
```

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

```
.background{ background-color: rgb(217,  
158, 113) }
```

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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