

Converting Colors

$Y_{xy}(40.7107, 0.4129, 0.3819)$

Have a look what the booklet for
Yxy(40.7107, 0.4129, 0.3819)
contains.

Yxy(40.7858, 0.4135, 0.3824)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.7858, 0.4135, 0.3824)

Conversions

Conversions Part 1

Format	Color
Hex	D99F73
RGB	217, 159, 115
RGB Percent	85%, 62%, 45%
CMY	0.1491, 0.3764, 0.5490
CMYK	0.00, 0.27, 0.47, 0.15
HSL	26°, 57%, 65%
HSV	26°, 47%, 85%
XYZ	44.1028, 40.7858, 21.7688
YIQ	171.3260, 48.6920, -1.3880

Conversions

Conversions Part 2

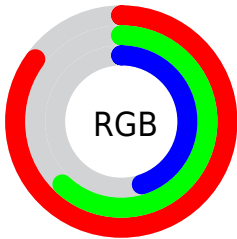
Format	Color
RYB	217, 192, 115
Decimal	14262131
CIELab	70.03, 16.29, 31.37
CIELCh	70, 35.351, 62.559
Yxy	40.7858, 0.4135, 0.3824
Android (android.graphics.Color)	4292452211 (0xFFD99F73)
YUV	171.3260, -27.7687, 40.0561
Hunter-Lab	63.8638, 11.5064, 24.4949

Details

The Yxy color **40.7858, 0.4135, 0.3824** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **38.5275, 0.2393, 0.2670**, and the grayscale version is **41.0220, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.1432, 0.3782, 0.3776**, and **18.3823, 0.4438, 0.3934** is the 20% darker color. If you saturate the color by 10%, you get **36.3129, 0.4427, 0.3923**, and if you desaturate by 10%, it is **45.8035, 0.3868, 0.3711**.

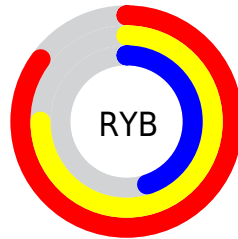
Distribution



Red (85%)

Green (62%)

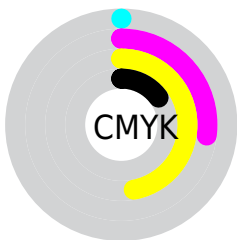
Blue (45%)



Red (85%)

Yellow (75%)

Blue (45%)

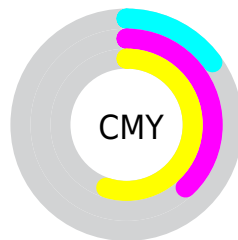


Cyan (0%)

Magenta (27%)

Yellow (47%)

Black (15%)



Cyan (15%)


Magenta (38%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.7858, 0.4135, 0.3824 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 40.7858, 0.4135, 0.3824 by changing the saturation by 10% instead.


 40.7858, 0.4135,
0.3824

 40.7858, 0.4135,
0.3824


349.4246, 0.3621,
0.3574

 28.1518, 0.4264,
0.3878


 76.3586, 0.3947,
0.3739

 18.4401, 0.4427,
0.3941


 100.0662, 0.3877,
0.3705

 11.2664, 0.4641,
0.4014


 128.2337, 0.3817,
0.3676

 6.2463, 0.4926,
0.4090

161.2456, 0.3767,
0.3650

 2.9954, 0.5443,
0.4245

199.4862, 0.3723,
0.3628

 1.1293, 0.5881,
0.4119

243.3400, 0.3684,

 0.0028, 0.9930,

0.3608

0.0070

293.1913, 0.3651,
0.3590

0.0000, 0.0000,
0.0000

40.7858, 0.4135,
0.3824

40.7858, 0.4135,
0.3824

36.3129, 0.4427,
0.3923

45.8035, 0.3868,
0.3711

32.3581, 0.4734,
0.3995

51.3794, 0.3629,
0.3593

28.9009, 0.5039,
0.4029

57.5338, 0.3420,
0.3477

25.9168, 0.5321,
0.4013

64.2840, 0.3239,
0.3364

23.3769, 0.5558,
0.3943

71.6467, 0.3083,
0.3259

■ 22.6909, 0.5624,
0.3917

■ 79.6376, 0.2948,
0.3162

■ 87.4825, 0.2896,
0.3190

■ 93.4880, 0.2900,
0.3289

Harmonies

Analogous

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



40.7858, 0.4105, 0.3425



40.7858, 0.4135, 0.3824



40.7858, 0.3878, 0.4132

Triad

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



40.7858, 0.4135, 0.3824



40.7858, 0.2489, 0.3536



40.7858, 0.2768, 0.2506

Complementary

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



40.7858, 0.4135, 0.3824



38.5275, 0.2393, 0.2670

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.



40.7858, 0.2389, 0.2482



40.7858, 0.4135, 0.3824



40.7858, 0.2238, 0.3027

Square

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



40.7858, 0.4135, 0.3824



40.7858, 0.2920, 0.4005



40.7858, 0.2205, 0.2655



40.7858, 0.3277, 0.2702

Rectangle

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



40.7858, 0.4135, 0.3824



40.7858, 0.3592, 0.4226



40.7858, 0.2205, 0.2655



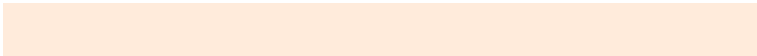
40.7858, 0.2623, 0.2478

Sweetspot

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



40.7878, 0.4135, 0.3824



85.6400, 0.3365, 0.3444



30.0858, 0.3646, 0.2585



17.8900, 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.



40.7878, 0.4135, 0.3824



52.6419, 0.4412, 0.3918



61.3313, 0.3859, 0.4353



13.9712, 0.3281, 0.3391



13.9404, 0.5599, 0.3936



1.0722, 0.5315, 0.4162

Inverse Universe

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



38.5275, 0.2393, 0.2670



48.9804, 0.2256, 0.2516



22.9447, 0.2260, 0.1939



13.8395, 0.2982, 0.3187



11.8732, 0.1839, 0.1819



0.9392, 0.1912, 0.2082

Previews

White Background



This preview shows how the Yxy color 40.7858, 0.4135, 0.3824 looks on a white background.

Color Contrast Check

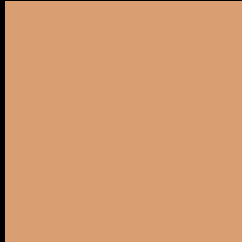
Large Text (above 18pt) WCAG AA × Fail

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 40.7858, 0.4135, 0.3824 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

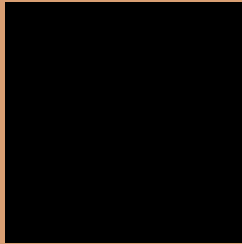
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.7858, 0.4135, 0.3824

Background



This preview shows how black text looks on a background with the Yxy color 40.7858, 0.4135, 0.3824.



This preview shows how white text looks on a background with the Yxy color 40.7858, 0.4135, 0.3824.

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

40.7858, 0.4135, 0.3824

Protanopia

40.7962, 0.3707, 0.3984

Deuteranopia

40.8876, 0.4006, 0.3922



Tritanopia

40.8350, 0.3708, 0.3160

Trichromacy



Original Color

40.7858, 0.4135, 0.3824

Protanomaly

40.8158, 0.3863, 0.3931

Deuteranomaly

40.7572, 0.4057, 0.3888

Tritanomaly

40.7337, 0.3876, 0.3401

Monochromacy



Original Color

40.7858, 0.4135, 0.3824

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

40.5632, 0.3470, 0.3506

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7858, 0.4135, 0.3824 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, 159, 115)` looks like.

```
.text, #text, p{  
    color:rgb(217, 159, 115)  
}
```

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, 159, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 159, 115) }
```

Border

The CSS property to change the border of an element to Yxy 40.7858, 0.4135, 0.3824 is called "border". The border property can be set on classes, ids or directly on the HTML element.

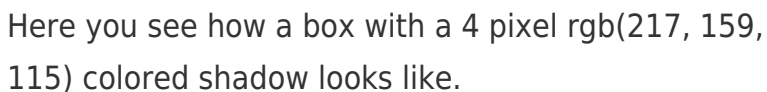
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(217, 159, 115) }
```

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

```
.border{ border-color:rgb(217, 159, 115) }
```

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



Here you see how a box with a 4 pixel `rgb(217, 159, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 159, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 159, 115);  
box-shadow:4px 4px 4px 4px rgb(217, 159,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7858, 0.4135, 0.3824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 159, 115) }
```

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

```
.background{ background-color: rgb(217,  
159, 115) }
```

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