

Converting Colors

$Y_{xy}(40.4248, 0.4206, 0.3896)$

Have a look what the booklet for
Yxy(40.4248, 0.4206, 0.3896)
contains.

Yxy(40.2881, 0.4207, 0.3892)	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(40.2881, 0.4207, 0.3892)

Conversions

Conversions Part 1

Format	Color
Hex	D99E6C
RGB	217, 158, 108
RGB Percent	85%, 62%, 42%
CMY	0.1490, 0.3804, 0.5763
CMYK	0.00, 0.27, 0.50, 0.15
HSL	28°, 59%, 64%
HSV	28°, 50%, 85%
XYZ	43.5488, 40.2881, 19.6782
YIQ	169.9410, 51.2140, -3.0420

Conversions

Conversions Part 2

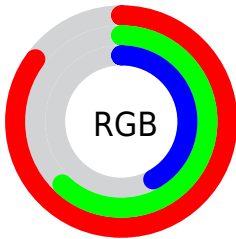
Format	Color
R_{YB}	217, 200, 108
Decimal	14261868
CIE _{Lab}	69.67, 16.18, 34.64
CIE _{LCh}	70, 38.229, 64.965
Yxy	40.2881, 0.4207, 0.3892
Android (android.graphics.Color)	4292451948 (0xFFD99E6C)
YUV	169.9410, -30.5369, 41.2707
Hunter-Lab	63.4729, 11.3914, 26.0496

Details

The Yxy color **40.2881, 0.4207, 0.3892** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **35.8456, 0.2337, 0.2575**, and the grayscale version is **40.3057, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.3866, 0.3837, 0.3837**, and **18.2021, 0.4509, 0.4034** is the 20% darker color. If you saturate the color by 10%, you get **36.0657, 0.4495, 0.3990**, and if you desaturate by 10%, it is **45.0125, 0.3939, 0.3776**.

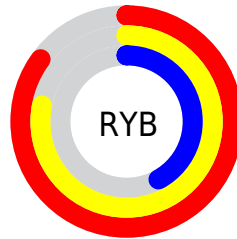
Distribution



Red (85%)

Green (62%)

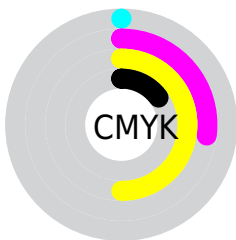
Blue (42%)



Red (85%)

Yellow (78%)

Blue (42%)

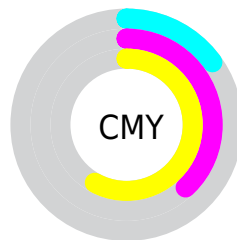


Cyan (0%)

Magenta (27%)

Yellow (50%)

Black (15%)



Cyan (15%)


Magenta (38%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2881, 0.4207, 0.3892 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 40.2881, 0.4207, 0.3892 by changing the saturation by 10% instead.


 40.2881, 0.4207,
0.3892


 40.2881, 0.4207,
0.3892


347.3364, 0.3657,
0.3611

 27.7632, 0.4343,
0.3952


 75.6020, 0.4007,
0.3797


 18.1473, 0.4515,
0.4021


 99.1599, 0.3932,
0.3759

 11.0558, 0.4737,
0.4098


 127.1642, 0.3868,
0.3726

 6.1044, 0.5028,
0.4174

 159.9993, 0.3814,
0.3697

 2.9086, 0.5620,
0.4380

198.0498, 0.3767,
0.3672

 1.0842, 0.5887,
0.4113

241.6998, 0.3726,

 0.0000, 1.0000,

0.3649

0.0000

291.3339, 0.3689,
0.3629

0.0000, 0.0000,
0.0000

40.2881, 0.4207,
0.3892

40.2881, 0.4207,
0.3892

36.0657, 0.4495,
0.3990

45.0125, 0.3939,
0.3776

32.3201, 0.4790,
0.4058

50.2512, 0.3696,
0.3652

29.0321, 0.5077,
0.4082

56.0230, 0.3482,
0.3527

26.1782, 0.5333,
0.4054

62.3441, 0.3294,
0.3407

23.7728, 0.5545,
0.3979

69.2298, 0.3130,
0.3292

■ 76.6948, 0.2989,
0.3186

■ 84.4314, 0.2894,
0.3137

■ 91.5827, 0.2899,
0.3259

■ 93.4906, 0.2900,
0.3289

Harmonies

Analogous

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



40.2881, 0.4205, 0.3465



40.2881, 0.4207, 0.3892



40.2881, 0.3903, 0.4219

Triad

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



40.2881, 0.4207, 0.3892



40.2881, 0.2406, 0.3510



40.2881, 0.2777, 0.2458

Complementary

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



40.2881, 0.4207, 0.3892



35.8456, 0.2337, 0.2575

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.



40.2881, 0.2356, 0.2414



40.2881, 0.4207, 0.3892



40.2881, 0.2157, 0.2961

Square

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



40.2881, 0.4207, 0.3892



40.2881, 0.2857, 0.4039



40.2881, 0.2142, 0.2578



40.2881, 0.3334, 0.2680

Rectangle

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



40.2881, 0.4207, 0.3892



40.2881, 0.3584, 0.4311



40.2881, 0.2142, 0.2578



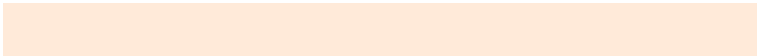
40.2881, 0.2617, 0.2421

Sweetspot

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



40.2901, 0.4207, 0.3892



85.2690, 0.3383, 0.3465



28.3092, 0.3742, 0.2581



17.8399, 0.3423, 0.3491



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.



40.2901, 0.4207, 0.3892



51.7890, 0.4504, 0.3993



62.6938, 0.3887, 0.4451



14.0305, 0.3280, 0.3398



14.5980, 0.5521, 0.3998



1.1167, 0.5250, 0.4214

Inverse Universe

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



35.8456, 0.2337, 0.2575



44.6718, 0.2189, 0.2394



20.1185, 0.2183, 0.1780



13.7793, 0.2982, 0.3180



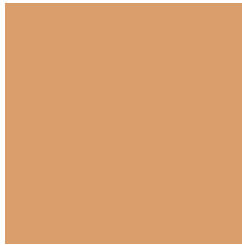
11.0157, 0.1813, 0.1725



0.8853, 0.1890, 0.2002

Previews

White Background



This preview shows how the Yxy color 40.2881, 0.4207, 0.3892 looks on a white background.

Color Contrast Check

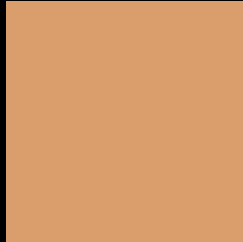
Large Text (above 18pt) WCAG AA × Fail

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 40.2881, 0.4207, 0.3892 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

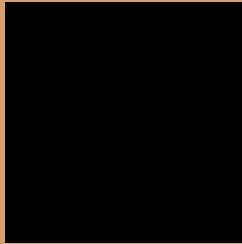
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.2881, 0.4207, 0.3892

Background



This preview shows how black text looks on a background with the Yxy color 40.2881, 0.4207, 0.3892.



This preview shows how white text looks on a background with the Yxy color 40.2881, 0.4207, 0.3892.

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

40.2881, 0.4207, 0.3892

Protanopia

40.2560, 0.3772, 0.4065

Deuteranopia

40.3777, 0.4075, 0.3993



Tritanopia

40.3072, 0.3734, 0.3149

Trichromacy



Original Color

40.2881, 0.4207, 0.3892

Protanomaly

40.2905, 0.3931, 0.4007

Deuteranomaly

40.2529, 0.4128, 0.3958

Tritanomaly

40.3100, 0.3911, 0.3425

Monochromacy



Original Color

40.2881, 0.4207, 0.3892

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

39.9438, 0.3499, 0.3548

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2881, 0.4207, 0.3892 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, 108)` looks like.

```
.text, #text, p{  
    color:rgb(217, 158, 108)  
}
```

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, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 158, 108) }
```

Border

The CSS property to change the border of an element to Yxy 40.2881, 0.4207, 0.3892 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, 108) }
```

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

```
.border{ border-color:rgb(217, 158, 108) }
```

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, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 158, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 158, 108);  
box-shadow:4px 4px 4px 4px rgb(217, 158,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2881, 0.4207, 0.3892 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, 108) }
```

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

```
.background{ background-color: rgb(217,  
158, 108) }
```

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