

Converting Colors

$Y_{xy}(40.2682, 0.4234, 0.3830)$

Have a look what the booklet for
Yxy(40.2682, 0.4234, 0.3830)
contains.

Yxy(40.2968, 0.4232, 0.3825)	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(40.2968, 0.4232, 0.3825)

Conversions

Conversions Part 1

Format	Color
Hex	DD9C6F
RGB	221, 156, 111
RGB Percent	87%, 61%, 44%
CMY	0.1332, 0.3883, 0.5647
CMYK	0.00, 0.29, 0.50, 0.13
HSL	25°, 62%, 65%
HSV	25°, 50%, 87%
XYZ	44.5846, 40.2968, 20.4697
YIQ	170.3050, 53.1850, -0.2150

Conversions

Conversions Part 2

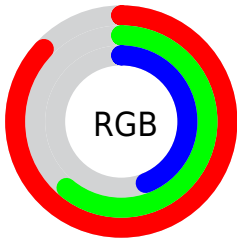
Format	Color
R _Y B	221, 187, 111
Decimal	14523503
CIE Lab	69.68, 19.18, 33.15
CIE LCh	70, 38.302, 59.945
Yxy	40.2968, 0.4232, 0.3825
Android (android.graphics.Color)	4292713583 (0xFFDD9C6F)
YUV	170.3050, -29.2374, 44.4595
Hunter-Lab	63.4798, 14.2787, 25.3171

Details

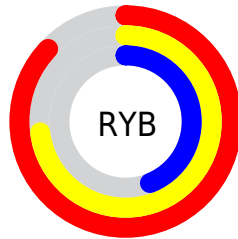
The Yxy color **40.2968, 0.4232, 0.3825** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **39.6746, 0.2358, 0.2662**, and the grayscale version is **40.4894, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.4929, 0.3822, 0.3787**, and **18.2375, 0.4548, 0.3945** is the 20% darker color. If you saturate the color by 10%, you get **35.7187, 0.4539, 0.3912**, and if you desaturate by 10%, it is **45.4711, 0.3950, 0.3721**.

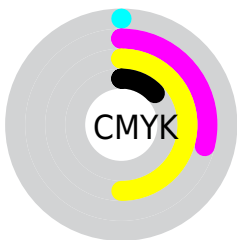
Distribution



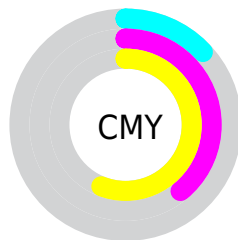
- Red (87%)
- Green (61%)
- Blue (44%)



- Red (87%)
- Yellow (73%)
- Blue (44%)



- Cyan (0%)
- Magenta (29%)
- Yellow (50%)
- Black (13%)





- Cyan (13%)
- Magenta (39%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2968, 0.4232, 0.3825 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 40.2968, 0.4232, 0.3825 by changing the saturation by 10% instead.


 40.2968, 0.4232,
0.3825


 40.2968, 0.4232,
0.3825


347.3730, 0.3668,
0.3580


 27.7700, 0.4373,
0.3876


 75.6153, 0.4026,
0.3743

 18.1524, 0.4551,
0.3934


 99.1757, 0.3949,
0.3710

 11.0594, 0.4783,
0.3996


 127.1829, 0.3884,
0.3681

 6.1068, 0.5091,
0.4052

 160.0212, 0.3828,
0.3656

 2.9101, 0.5704,
0.4218

198.0749, 0.3780,
0.3633

 1.0850, 0.6056,
0.3944

241.7285, 0.3737,

 0.0000, 1.0000,

0.3613

0.0000

291.3664, 0.3700,
0.3596

■ 0.0000, 0.0000,
0.0000

■ 40.2968, 0.4232,
0.3825

■ 40.2968, 0.4232,
0.3825

■ 35.7187, 0.4539,
0.3912

■ 45.4711, 0.3950,
0.3721

■ 31.7071, 0.4858,
0.3970

■ 51.2580, 0.3698,
0.3610

■ 28.2378, 0.5171,
0.3986


■ 57.6805, 0.3478,
0.3498

■ 25.2822, 0.5452,
0.3949

■ 64.7585, 0.3287,
0.3390


■ 22.8016, 0.5686,
0.3865

■ 72.5110, 0.3124,
0.3288

 22.7509, 0.5691,
0.3863

 80.9562, 0.2983,
0.3193

 89.4007, 0.2921,
0.3213

 94.1174, 0.2923,
0.3289

Harmonies

Analogous

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



40.2968, 0.4173, 0.3391



40.2968, 0.4232, 0.3825



40.2968, 0.3973, 0.4178

Triad

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



40.2968, 0.4232, 0.3825



40.2968, 0.2468, 0.3607



40.2968, 0.2693, 0.2436

Complementary

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



40.2968, 0.4232, 0.3825



39.6746, 0.2358, 0.2662

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.



40.2968, 0.2304, 0.2425



40.2968, 0.4232, 0.3825



40.2968, 0.2181, 0.3044

Square

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



40.2968, 0.4232, 0.3825



40.2968, 0.2945, 0.4108



40.2968, 0.2127, 0.2626



40.2968, 0.3237, 0.2631

Rectangle

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



40.2968, 0.4232, 0.3825



40.2968, 0.3671, 0.4303



40.2968, 0.2127, 0.2626



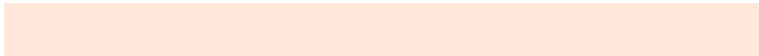
40.2968, 0.2542, 0.2410

Sweetspot

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



40.2988, 0.4232, 0.3825



84.1882, 0.3386, 0.3447



29.9239, 0.3668, 0.2526



17.5806, 0.3427, 0.3470



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.



40.2988, 0.4232, 0.3825



48.9670, 0.4561, 0.3917



62.6340, 0.3910, 0.4393



13.9213, 0.3281, 0.3386



13.4222, 0.5664, 0.3885



1.0363, 0.5370, 0.4119

Inverse Universe

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



39.6746, 0.2358, 0.2662



47.9427, 0.2212, 0.2496



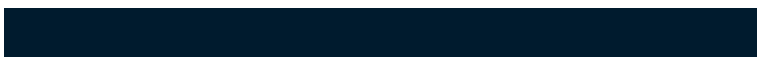
22.5247, 0.2206, 0.1870



13.8904, 0.2982, 0.3192



12.6363, 0.1861, 0.1899



0.9866, 0.1930, 0.2149

Previews

White Background



This preview shows how the Yxy color 40.2968, 0.4232, 0.3825 looks on a white background.

Color Contrast Check

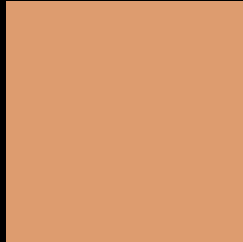
Large Text (above 18pt) WCAG AA × Fail

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 40.2968, 0.4232, 0.3825 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

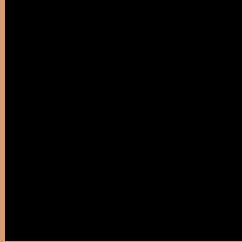
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.2968, 0.4232, 0.3825

Background



This preview shows how black text looks on a background with the Yxy color 40.2968, 0.4232, 0.3825.



This preview shows how white text looks on a background with the Yxy color 40.2968, 0.4232, 0.3825.

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

40.2968, 0.4232, 0.3825

Protanopia

40.3481, 0.3738, 0.4012

Deuteranopia

40.2993, 0.4038, 0.3961



Tritanopia

40.3935, 0.3788, 0.3162

Trichromacy



Original Color

40.2968, 0.4232, 0.3825

Protanomaly

40.1538, 0.3911, 0.3942

Deuteranomaly

40.1163, 0.4117, 0.3909

Tritanomaly

40.2869, 0.3960, 0.3400

Monochromacy



Original Color

40.2968, 0.4232, 0.3825

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

39.8990, 0.3503, 0.3506

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2968, 0.4232, 0.3825 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(221, 156, 111)` looks like.

```
.text, #text, p{  
    color:rgb(221, 156, 111)  
}
```

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(221, 156, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 156, 111) }
```

Border

The CSS property to change the border of an element to Yxy 40.2968, 0.4232, 0.3825 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(221, 156, 111) }
```

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

```
.border{ border-color:rgb(221, 156, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 156, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 156, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 156, 111);  
box-shadow:4px 4px 4px 4px rgb(221, 156,  
111) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 40.2968, 0.4232, 0.3825$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 156, 111) }
```

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

```
.background{ background-color: rgb(221,  
156, 111) }
```

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