

Converting Colors

$Yxy(40.7494, 0.4244, 0.3936)$

Have a look what the booklet for
Yxy(40.7494, 0.4244, 0.3936)
contains.

Yxy(40.7216, 0.4238, 0.3935)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.7216, 0.4238, 0.3935)

Conversions

Conversions Part 1

Format	Color
Hex	DA9F69
RGB	218, 159, 105
RGB Percent	85%, 62%, 41%
CMY	0.1452, 0.3764, 0.5883
CMYK	0.00, 0.27, 0.52, 0.15
HSL	29°, 60%, 63%
HSV	29°, 52%, 85%
XYZ	43.8572, 40.7216, 18.9068
YIQ	170.4850, 52.4980, -4.2860

Conversions

Conversions Part 2

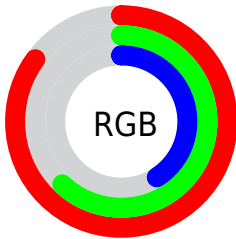
Format	Color
R _Y B	218, 208, 105
Decimal	14327657
CIE Lab	69.98, 15.77, 36.66
CIE LCh	70, 39.909, 66.732
Yxy	40.7216, 0.4238, 0.3935
Android (android.graphics.Color)	4292517737 (0xFFDA9F69)
YUV	170.4850, -32.2841, 41.6707
Hunter-Lab	63.8135, 11.0045, 27.1028

Details

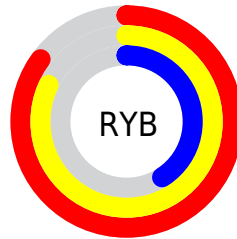
The Yxy color **40.7216, 0.4238, 0.3935** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **34.5961, 0.2306, 0.2513**, and the grayscale version is **40.5980, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.7875, 0.3855, 0.3877**, and **18.4842, 0.4543, 0.4082** is the 20% darker color. If you saturate the color by 10%, you get **36.5970, 0.4520, 0.4034**, and if you desaturate by 10%, it is **45.3252, 0.3972, 0.3816**.

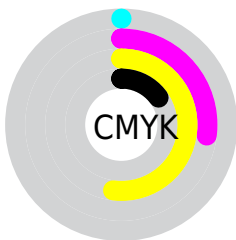
Distribution



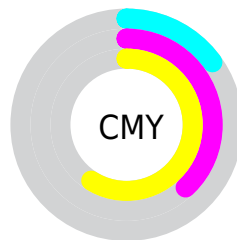
- Red (85%)
- Green (62%)
- Blue (41%)



- Red (85%)
- Yellow (82%)
- Blue (41%)



- Cyan (0%)
- Magenta (27%)
- Yellow (52%)
- Black (15%)





- Cyan (15%)
- Magenta (38%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.7216, 0.4238, 0.3935 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 40.7216, 0.4238, 0.3935 by changing the saturation by 10% instead.


 40.7216, 0.4238,
0.3935


 40.7216, 0.4238,
0.3935


349.1557, 0.3675,
0.3635


 28.1016, 0.4376,
0.3998


 76.2611, 0.4034,
0.3834


 18.4023, 0.4549,
0.4071


 99.9494, 0.3957,
0.3793

 11.2392, 0.4771,
0.4151


 128.0959, 0.3892,
0.3758

 6.2279, 0.5056,
0.4228

 161.0851, 0.3836,
0.3727

 2.9842, 0.5596,
0.4404

199.3012, 0.3788,
0.3700

 1.1235, 0.5852,
0.4148

243.1288, 0.3745,

 0.0000, 1.0000,

0.3676

0.0000

292.9521, 0.3708,
0.3654

0.0000, 0.0000,
0.0000

40.7216, 0.4238,
0.3935

40.7216, 0.4238,
0.3935

36.5970, 0.4520,
0.4034

45.3252, 0.3972,
0.3816

32.9267, 0.4806,
0.4099

50.4190, 0.3729,
0.3688

29.6923, 0.5079,
0.4120

56.0213, 0.3513,
0.3558

26.8710, 0.5320,
0.4086

62.1476, 0.3322,
0.3432

24.8505, 0.5488,
0.4025

68.8123, 0.3155,
0.3311

■ 76.0296, 0.3011,
0.3199

■ 83.6462, 0.2900,
0.3121

■ 90.5046, 0.2904,
0.3239

■ 93.6432, 0.2906,
0.3289

Harmonies

Analogous

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



40.7216, 0.4258, 0.3495



40.7216, 0.4238, 0.3935



40.7216, 0.3905, 0.4268

Triad

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



40.7216, 0.4238, 0.3935



40.7216, 0.2357, 0.3482



40.7216, 0.2794, 0.2437

Complementary

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



40.7216, 0.4238, 0.3935



34.5961, 0.2306, 0.2513

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.



40.7216, 0.2348, 0.2379



40.7216, 0.4238, 0.3935



40.7216, 0.2114, 0.2916

Square

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



40.7216, 0.4238, 0.3935



40.7216, 0.2812, 0.4045



40.7216, 0.2114, 0.2533



40.7216, 0.3376, 0.2677

Rectangle

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



40.7216, 0.4238, 0.3935



40.7216, 0.3567, 0.4355



40.7216, 0.2114, 0.2533



40.7216, 0.2625, 0.2396

Sweetspot

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



40.7236, 0.4238, 0.3935



84.8053, 0.3401, 0.3485



27.7276, 0.3796, 0.2581



17.7645, 0.3441, 0.3512



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.



40.7236, 0.4238, 0.3935



51.8158, 0.4540, 0.4039



64.1264, 0.3899, 0.4500



14.0736, 0.3280, 0.3402



15.1031, 0.5464, 0.4044



1.1503, 0.5203, 0.4251

Inverse Universe

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



34.5961, 0.2306, 0.2513



42.1579, 0.2152, 0.2316



18.9461, 0.2144, 0.1698



13.7359, 0.2982, 0.3175



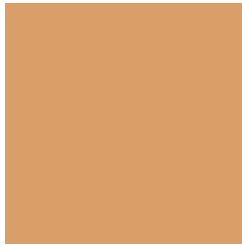
10.4274, 0.1794, 0.1659



0.8478, 0.1874, 0.1945

Previews

White Background



This preview shows how the Yxy color 40.7216, 0.4238, 0.3935 looks on a white background.

Color Contrast Check

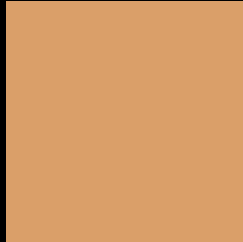
Large Text (above 18pt) WCAG AA × Fail

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 40.7216, 0.4238, 0.3935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

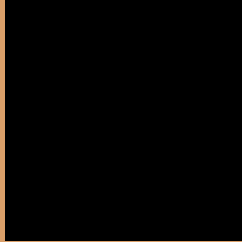
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.7216, 0.4238, 0.3935

Background



This preview shows how black text looks on a background with the Yxy color 40.7216, 0.4238, 0.3935.



This preview shows how white text looks on a background with the Yxy color 40.7216, 0.4238, 0.3935.

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

40.7216, 0.4238, 0.3935

Protanopia

40.6907, 0.3803, 0.4113

Deuteranopia

40.9603, 0.4115, 0.4034



Tritanopia

40.7888, 0.3741, 0.3161

Trichromacy



Original Color

40.7216, 0.4238, 0.3935

Protanomaly

40.7259, 0.3962, 0.4053

Deuteranomaly

40.8372, 0.4168, 0.3998

Tritanomaly

40.7678, 0.3927, 0.3449

Monochromacy



Original Color

40.7216, 0.4238, 0.3935

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

39.9126, 0.3509, 0.3562

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7216, 0.4238, 0.3935 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(218, 159, 105)` looks like.

```
.text, #text, p{  
    color:rgb(218, 159, 105)  
}
```

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(218, 159, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 159, 105) }
```

Border

The CSS property to change the border of an element to Yxy 40.7216, 0.4238, 0.3935 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(218, 159, 105) }
```

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

```
.border{ border-color:rgb(218, 159, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 159, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 159, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 159, 105);  
box-shadow:4px 4px 4px 4px rgb(218, 159,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7216, 0.4238, 0.3935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 159, 105) }
```

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

```
.background{ background-color: rgb(218,  
159, 105) }
```

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