

Converting Colors

$Y_{xy}(40.2682, 0.3971, 0.4182)$

Have a look what the booklet for
Yxy(40.2682, 0.3971, 0.4182)
contains.

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Color

Yxy(40.2628, 0.3974, 0.4178)

Conversions

Conversions Part 1

Format	Color
Hex	C1A864
RGB	193, 168, 100
RGB Percent	76%, 66%, 39%
CMY	0.2431, 0.3412, 0.6078
CMYK	0.00, 0.13, 0.48, 0.24
HSL	44°, 43%, 57%
HSV	44°, 48%, 76%
XYZ	38.2969, 40.2628, 17.8089
YIQ	167.7230, 36.7280, -15.8480

Conversions

Conversions Part 2

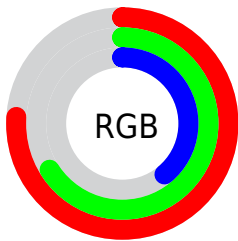
Format	Color
RYB	134, 193, 100
Decimal	12691556
CIELab	69.66, 0.09, 38.31
CIElCh	70, 38.307, 89.864
Yxy	40.2628, 0.3974, 0.4178
Android (android.graphics.Color)	4290881636 (0xFFC1A864)
YUV	167.7230, -33.3874, 22.1679
Hunter-Lab	63.4530, -3.3095, 27.7766

Details

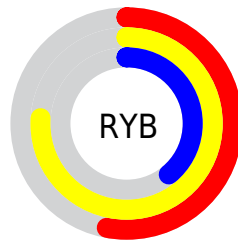
The Yxy color **40.2628, 0.3974, 0.4178** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **21.2289, 0.2294, 0.2192**, and the grayscale version is **39.1695, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5516, 0.3823, 0.4021**, and **18.0482, 0.4194, 0.4411** is the 20% darker color. If you saturate the color by 10%, you get **38.0561, 0.4164, 0.4338**, and if you desaturate by 10%, it is **42.6383, 0.3782, 0.3999**.

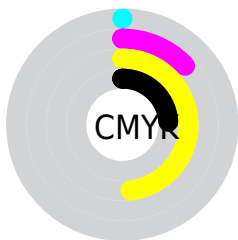
Distribution



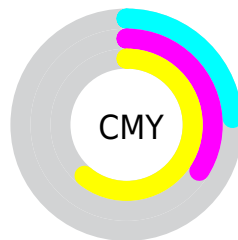
- Red (76%)
- Green (66%)
- Blue (39%)



- Red (53%)
- Yellow (76%)
- Blue (39%)



- Cyan (0%)
- Magenta (13%)
- Yellow (48%)
- Black (24%)





- Cyan (24%)
- Magenta (34%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2628, 0.3974, 0.4178 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 40.2628, 0.3974, 0.4178 by changing the saturation by 10% instead.


 40.2628, 0.3974,
0.4178


 40.2628, 0.3974,
0.4178


347.2300, 0.3552,
0.3736


 27.7435, 0.4074,
0.4283


 75.5635, 0.3824,
0.4020


 18.1324, 0.4197,
0.4412


 99.1138, 0.3766,
0.3960

 11.0451, 0.4350,
0.4571


 127.1097, 0.3717,
0.3909

 6.0972, 0.4535,
0.4765

 159.9359, 0.3675,
0.3865

 2.9043, 0.4877,
0.5123

197.9766, 0.3638,
0.3826

 1.0820, 0.4879,
0.5121

241.6163, 0.3606,

 0.0000, 0.0000,

0.3792

0.0000

291.2393, 0.3578,
0.3763

■ 40.2628, 0.3974,
0.4178

■ 40.2628, 0.3974,
0.4178

■ 38.0561, 0.4164,
0.4338

■ 42.6383, 0.3782,
0.3999

■ 36.0052, 0.4344,
0.4468

■ 45.1836, 0.3595,
0.3811

■ 34.1040, 0.4506,
0.4558

■ 47.9065, 0.3418,
0.3622

■ 32.3432, 0.4641,
0.4602

■ 50.8129, 0.3252,
0.3436

■ 30.7086, 0.4748,
0.4600

■ 53.9080, 0.3101,
0.3259

■ 30.4224, 0.4766,
0.4598

■ 57.1969, 0.2963,
0.3092

■ 60.6846, 0.2839,
0.2936

■ 64.3756, 0.2728,
0.2793

■ 67.0102, 0.2730,
0.2846

Harmonies

Analogous

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



40.2628, 0.4233, 0.3824



40.2628, 0.3974, 0.4178



40.2628, 0.3498, 0.4315

Triad

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



40.2628, 0.3974, 0.4178



40.2628, 0.2181, 0.3045



40.2628, 0.3235, 0.2630

Complementary

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



40.2628, 0.3974, 0.4178



21.2289, 0.2294, 0.2192

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.



40.2628, 0.2692, 0.2435



40.2628, 0.3974, 0.4178



40.2628, 0.2126, 0.2626

Square

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



40.2628, 0.3974, 0.4178



40.2628, 0.2469, 0.3609



40.2628, 0.2303, 0.2424



40.2628, 0.3794, 0.2968

Rectangle

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



40.2628, 0.3974, 0.4178



40.2628, 0.3129, 0.4218



40.2628, 0.2303, 0.2424



40.2628, 0.3044, 0.2547

Sweetspot

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



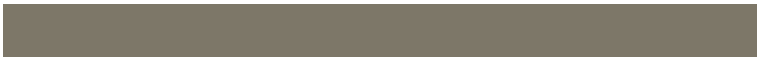
40.2647, 0.3974, 0.4178



87.8185, 0.3350, 0.3547



21.9683, 0.4056, 0.2937



18.6003, 0.3387, 0.3588



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.2647, 0.3974, 0.4178



67.8782, 0.4177, 0.4348



47.9321, 0.3647, 0.4531



11.2854, 0.3271, 0.3458



20.3699, 0.4757, 0.4605



0.9889, 0.4605, 0.4726

Inverse Universe

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



21.2289, 0.2294, 0.2192



29.8214, 0.2100, 0.1897



16.9688, 0.2399, 0.1855



10.1788, 0.2984, 0.3117



4.3027, 0.1596, 0.0944



0.3041, 0.1723, 0.1404

Previews

White Background



This preview shows how the Yxy color 40.2628, 0.3974, 0.4178 looks on a white background.

Color Contrast Check

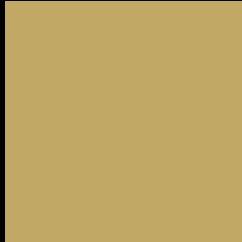
Large Text (above 18pt) WCAG AA × Fail

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 40.2628, 0.3974, 0.4178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

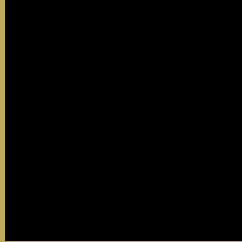
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.2628, 0.3974, 0.4178

Background



This preview shows how black text looks on a background with the Yxy color 40.2628, 0.3974, 0.4178.

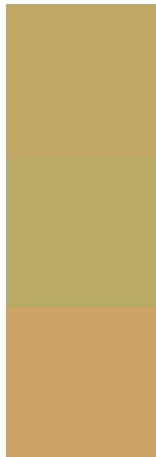


This preview shows how white text looks on a background with the Yxy color 40.2628, 0.3974, 0.4178.

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

40.2628, 0.3974, 0.4178

Protanopia

40.1281, 0.3883, 0.4215

Deuteranopia

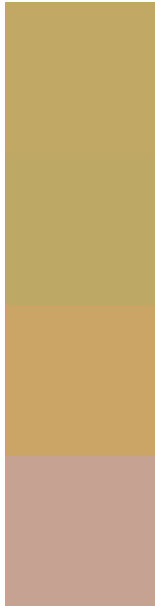
40.3994, 0.4138, 0.4060



Tritanopia

40.0542, 0.3407, 0.3125

Trichromacy



Original Color

40.2628, 0.3974, 0.4178

Protanomaly

40.1343, 0.3919, 0.4192

Deuteranomaly

40.4064, 0.4075, 0.4100

Tritanomaly

39.7863, 0.3620, 0.3501

Monochromacy



Original Color

40.2628, 0.3974, 0.4178

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

39.3355, 0.3433, 0.3640

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2628, 0.3974, 0.4178 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(193, 168, 100)` looks like.

```
.text, #text, p{  
    color:rgb(193, 168, 100)  
}
```

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(193, 168, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 168, 100) }
```

Border

The CSS property to change the border of an element to Yxy 40.2628, 0.3974, 0.4178 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(193, 168, 100) }
```

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

```
.border{ border-color:rgb(193, 168, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 168, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 168, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 168, 100);  
box-shadow:4px 4px 4px 4px rgb(193, 168,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2628, 0.3974, 0.4178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 168, 100) }
```

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

```
.background{ background-color: rgb(193,  
168, 100) }
```

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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