

Converting Colors

$Y_{xy}(40.8551, 0.3767, 0.3625)$

Have a look what the booklet for
Yxy(40.8551, 0.3767, 0.3625)
contains.

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Color

Yxy(40.8379, 0.3774, 0.3625)

Conversions

Conversions Part 1

Format	Color
Hex	CCA389
RGB	204, 163, 137
RGB Percent	80%, 64%, 54%
CMY	0.1999, 0.3608, 0.4628
CMYK	0.00, 0.20, 0.33, 0.20
HSL	23°, 40%, 67%
HSV	23°, 33%, 80%
XYZ	42.5165, 40.8379, 29.3019
YIQ	172.2950, 32.7820, 0.6060

Conversions

Conversions Part 2

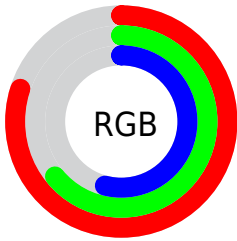
Format	Color
RYB	204, 179, 137
Decimal	13411209
CIELab	70.06, 11.43, 19.26
CIElCh	70, 22.398, 59.300
Yxy	40.8379, 0.3774, 0.3625
Android (android.graphics.Color)	4291601289 (0xFFCCA389)
YUV	172.2950, -17.4004, 27.8053
Hunter-Lab	63.9045, 6.9253, 17.5472

Details

The Yxy color $40.8379, 0.3774, 0.3625$ is a light color, and the websafe version is hex `CC9999`. A complement of this color would be $41.5175, 0.2618, 0.2927$, and the grayscale version is $41.4905, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.1205, 0.3601, 0.3578$, and $18.4466, 0.3977, 0.3706$ is the 20% darker color. If you saturate the color by 10%, you get $36.0923, 0.4038, 0.3729$, and if you desaturate by 10%, it is $46.1356, 0.3543, 0.3519$.

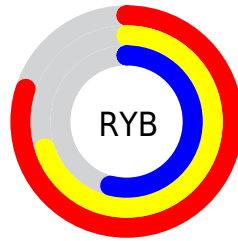
Distribution



Red (80%)

Green (64%)

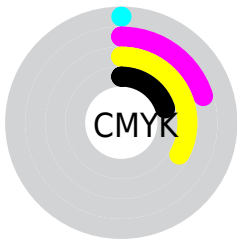
Blue (54%)



Red (80%)

Yellow (70%)

Blue (54%)

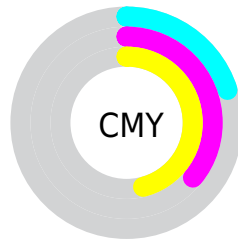


Cyan (0%)

Magenta (20%)

Yellow (33%)

Black (20%)



Cyan (20%)

Magenta (36%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.8379, 0.3774, 0.3625 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 40.8379, 0.3774, 0.3625 by changing the saturation by 10% instead.


 40.8379, 0.3774,
0.3625


 40.8379, 0.3774,
0.3625


349.6427, 0.3441,
0.3462

 28.1924, 0.3859,
0.3664


 76.4378, 0.3651,
0.3567

 18.4708, 0.3970,
0.3712


 100.1610, 0.3606,
0.3545

 11.2885, 0.4119,
0.3772


 128.3455, 0.3567,
0.3526

 6.2612, 0.4328,
0.3850

161.3758, 0.3535,
0.3510

 3.0046, 0.4641,
0.3946

199.6363, 0.3507,
0.3495

 1.1341, 0.5597,
0.4403

243.5114, 0.3482,

 0.0069, 0.9765,

0.3483

0.0235

293.3853, 0.3461,
0.3472

0.0000, 0.0000,
0.0000

40.8379, 0.3774,
0.3625

40.8379, 0.3774,
0.3625

36.0923, 0.4038,
0.3729

46.1356, 0.3543,
0.3519

31.8742, 0.4333,
0.3824

51.9976, 0.3343,
0.3415

28.1655, 0.4652,
0.3899


58.4427, 0.3171,
0.3317


24.9445, 0.4981,
0.3942

65.4873, 0.3025,
0.3225

22.1877, 0.5296,
0.3940

73.1468, 0.2899,
0.3141

 19.8690, 0.5572,
0.3886

 81.1500, 0.2816,
0.3109

 18.4581, 0.5741,
0.3823

 88.6687, 0.2824,
0.3241

 91.5795, 0.2827,
0.3289

Harmonies

Analogous

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



40.8379, 0.3728, 0.3363



40.8379, 0.3774, 0.3625



40.8379, 0.3637, 0.3818

Triad

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



40.8379, 0.3774, 0.3625



40.8379, 0.2746, 0.3483



40.8379, 0.2869, 0.2766

Complementary

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



40.8379, 0.3774, 0.3625



41.5175, 0.2618, 0.2927

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.



40.8379, 0.2628, 0.2771



40.8379, 0.3774, 0.3625



40.8379, 0.2560, 0.3168

Square

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



40.8379, 0.3774, 0.3625



40.8379, 0.3038, 0.3751



40.8379, 0.2519, 0.2911



40.8379, 0.3191, 0.2885

Rectangle

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



40.8379, 0.3774, 0.3625



40.8379, 0.3466, 0.3874



40.8379, 0.2519, 0.2911



40.8379, 0.2777, 0.2753

Sweetspot

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



40.8398, 0.3774, 0.3625



88.9110, 0.3293, 0.3388



33.9534, 0.3422, 0.2772



18.7143, 0.3319, 0.3402



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.



40.8398, 0.3774, 0.3625



62.2952, 0.3946, 0.3695



54.2131, 0.3646, 0.4017



11.9158, 0.3280, 0.3380



11.7844, 0.5716, 0.3843



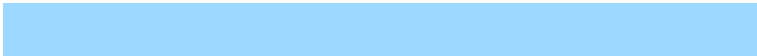
0.7541, 0.5353, 0.4131

Inverse Universe

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



41.5175, 0.2618, 0.2927



63.5604, 0.2517, 0.2840



29.8683, 0.2557, 0.2440



11.9674, 0.2983, 0.3198



12.1327, 0.1883, 0.1977



0.7705, 0.1962, 0.2261

Previews

White Background



This preview shows how the Yxy color 40.8379, 0.3774, 0.3625 looks on a white background.

Color Contrast Check

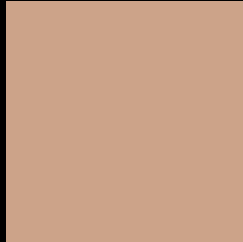
Large Text (above 18pt) WCAG AA × Fail

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 40.8379, 0.3774, 0.3625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

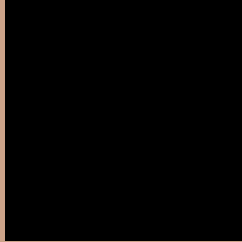
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.8379, 0.3774, 0.3625

Background



This preview shows how black text looks on a background with the Yxy color 40.8379, 0.3774, 0.3625.



This preview shows how white text looks on a background with the Yxy color 40.8379, 0.3774, 0.3625.

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

40.8379, 0.3774, 0.3625

Protanopia

40.8727, 0.3482, 0.3703

Deuteranopia

40.9958, 0.3726, 0.3655



Tritanopia

40.7659, 0.3506, 0.3142

Trichromacy



Original Color

40.8379, 0.3774, 0.3625

Protanomaly

40.7175, 0.3578, 0.3668

Deuteranomaly

40.7746, 0.3740, 0.3641

Tritanomaly

40.8756, 0.3609, 0.3317

Monochromacy



Original Color

40.8379, 0.3774, 0.3625

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.0695, 0.3354, 0.3426

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8379, 0.3774, 0.3625 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(204, 163, 137)` looks like.

```
.text, #text, p{  
    color:rgb(204, 163, 137)  
}
```

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(204, 163, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 163, 137) }
```

Border

The CSS property to change the border of an element to Yxy 40.8379, 0.3774, 0.3625 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(204, 163, 137) }
```

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

```
.border{ border-color:rgb(204, 163, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 163, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 163, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 163, 137);  
box-shadow:4px 4px 4px 4px rgb(204, 163,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8379, 0.3774, 0.3625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 163, 137) }
```

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

```
.background{ background-color: rgb(204,  
163, 137) }
```

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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