

Converting Colors

$Y_{xy}(40.8980, 0.3666, 0.3494)$

Have a look what the booklet for
Yxy(40.8980, 0.3666, 0.3494)
contains.

Yxy(40.9975, 0.3667, 0.3497)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.9975, 0.3667, 0.3497)

Conversions

Conversions Part 1

Format	Color
Hex	CBA393
RGB	203, 163, 147
RGB Percent	80%, 64%, 58%
CMY	0.2039, 0.3608, 0.4236
CMYK	0.00, 0.20, 0.28, 0.20
HSL	17°, 35%, 69%
HSV	17°, 28%, 80%
XYZ	42.9905, 40.9975, 33.2482
YIQ	173.1360, 28.9760, 3.5040

Conversions

Conversions Part 2

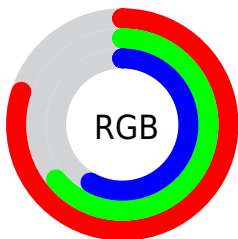
Format	Color
R _Y B	203, 169, 147
Decimal	13345683
CIE Lab	70.17, 12.37, 13.90
CIE LCh	70, 18.604, 48.332
Yxy	40.9975, 0.3667, 0.3497
Android (android.graphics.Color)	4291535763 (0xFFCBA393)
YUV	173.1360, -12.8850, 26.1907
Hunter-Lab	64.0293, 7.7971, 14.0333

Details

The Yxy color $40.9975, 0.3667, 0.3497$ is a light color, and the websafe version is hex `CC9999`. A complement of this color would be $46.0459, 0.2707, 0.3072$, and the grayscale version is $41.9186, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.6199, 0.3521, 0.3464$, and $18.5093, 0.3840, 0.3552$ is the 20% darker color. If you saturate the color by 10%, you get $35.5614, 0.3933, 0.3576$, and if you desaturate by 10%, it is $47.1398, 0.3441, 0.3419$.

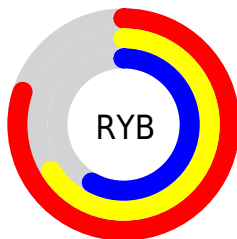
Distribution



Red (80%)

Green (64%)

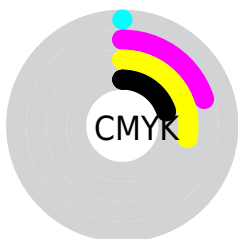
Blue (58%)



Red (80%)

Yellow (66%)

Blue (58%)

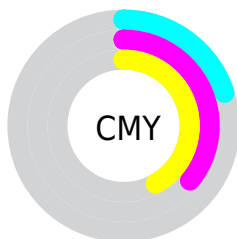


Cyan (0%)

Magenta (20%)

Yellow (28%)

Black (20%)



Cyan (20%)

Magenta (36%)

Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.9975, 0.3667, 0.3497 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 40.9975, 0.3667, 0.3497 by changing the saturation by 10% instead.


 40.9975, 0.3667,
0.3497


 40.9975, 0.3667,
0.3497


350.3102, 0.3389,
0.3397

 28.3171, 0.3739,
0.3521


 76.6801, 0.3564,
0.3462

 18.5649, 0.3832,
0.3550


 100.4511, 0.3526,
0.3448

 11.3563, 0.3959,
0.3587


128.6878, 0.3494,
0.3436

 6.3070, 0.4140,
0.3635

161.7746, 0.3467,
0.3426

 3.0326, 0.4416,
0.3695

200.0958, 0.3443,
0.3418

 1.1488, 0.5152,
0.3968

244.0359, 0.3423,

 0.0193, 0.9432,

0.3410

0.0568

293.9792, 0.3405,
0.3403

0.0000, 0.0000,
0.0000

40.9975, 0.3667,
0.3497

40.9975, 0.3667,
0.3497

35.5614, 0.3933,
0.3576

47.1398, 0.3441,
0.3419

30.8001, 0.4240,
0.3650

54.0069, 0.3251,
0.3344

26.6881, 0.4586,
0.3712

61.6240, 0.3091,
0.3274

23.1961, 0.4958,
0.3751

70.0131, 0.2957,
0.3209

20.2922, 0.5332,
0.3755

79.1954, 0.2844,
0.3150

■ 17.9414, 0.5673,
0.3716

■ 88.2709, 0.2818,
0.3237

■ 16.1027, 0.5947,
0.3634

■ 91.4357, 0.2822,
0.3289

■ 15.7269, 0.6006,
0.3613

Harmonies

Analogous

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



40.9975, 0.3573, 0.3270



40.9975, 0.3667, 0.3497



40.9975, 0.3608, 0.3683

Triad

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



40.9975, 0.3667, 0.3497



40.9975, 0.2893, 0.3539



40.9975, 0.2829, 0.2840

Complementary

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



40.9975, 0.3667, 0.3497



46.0459, 0.2707, 0.3072

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.



40.9975, 0.2663, 0.2888



40.9975, 0.3667, 0.3497



40.9975, 0.2698, 0.3285

Square

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



40.9975, 0.3667, 0.3497



40.9975, 0.3155, 0.3722



40.9975, 0.2616, 0.3046



40.9975, 0.3080, 0.2903

Rectangle

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



40.9975, 0.3667, 0.3497



40.9975, 0.3493, 0.3756



40.9975, 0.2616, 0.3046



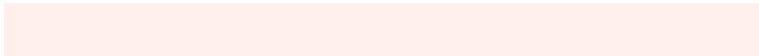
40.9975, 0.2762, 0.2843

Sweetspot

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



40.9994, 0.3667, 0.3497



89.8110, 0.3260, 0.3347



37.1545, 0.3308, 0.2791



18.8329, 0.3287, 0.3359



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.



40.9994, 0.3667, 0.3497



63.1865, 0.3817, 0.3543



52.0029, 0.3577, 0.3836



11.7275, 0.3283, 0.3357



10.1451, 0.5982, 0.3632



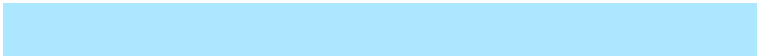
0.6548, 0.5588, 0.3945

Inverse Universe

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



46.0459, 0.2707, 0.3072



72.9768, 0.2622, 0.3019



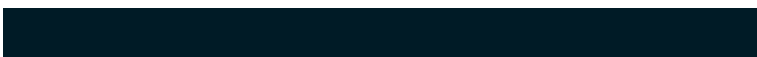
35.3540, 0.2668, 0.2677



12.1638, 0.2983, 0.3222



15.7835, 0.1983, 0.2340



0.9398, 0.2041, 0.2547

Previews

White Background



This preview shows how the Yxy color 40.9975, 0.3667, 0.3497 looks on a white background.

Color Contrast Check

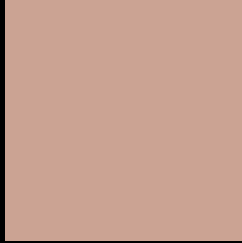
Large Text (above 18pt) WCAG AA × Fail

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 40.9975, 0.3667, 0.3497 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

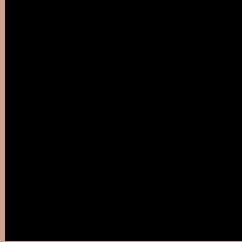
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.9975, 0.3667, 0.3497

Background



This preview shows how black text looks on a background with the Yxy color 40.9975, 0.3667, 0.3497.



This preview shows how white text looks on a background with the Yxy color 40.9975, 0.3667, 0.3497.

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

40.9975, 0.3667, 0.3497

Protanopia

41.0635, 0.3383, 0.3565

Deuteranopia

40.8872, 0.3601, 0.3527



Tritanopia

40.8966, 0.3465, 0.3128

Trichromacy



Original Color

40.9975, 0.3667, 0.3497

Protanomaly

40.8986, 0.3476, 0.3533

Deuteranomaly

40.7996, 0.3624, 0.3513

Tritanomaly

40.7651, 0.3540, 0.3253

Monochromacy



Original Color

40.9975, 0.3667, 0.3497

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

41.2466, 0.3310, 0.3358

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9975, 0.3667, 0.3497 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(203, 163, 147)` looks like.

```
.text, #text, p{  
    color:rgb(203, 163, 147)  
}
```

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(203, 163, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 163, 147) }
```

Border

The CSS property to change the border of an element to Yxy 40.9975, 0.3667, 0.3497 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(203, 163, 147) }
```

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

```
.border{ border-color:rgb(203, 163, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 163, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 163, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 163, 147);  
box-shadow:4px 4px 4px 4px rgb(203, 163,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9975, 0.3667, 0.3497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 163, 147) }
```

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

```
.background{ background-color: rgb(203,  
163, 147) }
```

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