

Converting Colors

$Y_{xy}(42.9225, 0.3885, 0.3934)$

Have a look what the booklet for
Yxy(42.9225, 0.3885, 0.3934)
contains.

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Color

Yxy(42.8020, 0.3890, 0.3927)

Conversions

Conversions Part 1

Format	Color
Hex	CBA A78
RGB	203, 170, 120
RGB Percent	80%, 67%, 47%
CMY	0.2038, 0.3334, 0.5294
CMYK	0.00, 0.16, 0.41, 0.20
HSL	36°, 44%, 63%
HSV	36°, 41%, 80%
XYZ	42.3987, 42.8020, 23.7934
YIQ	174.1670, 35.7180, -8.5540

Conversions

Conversions Part 2

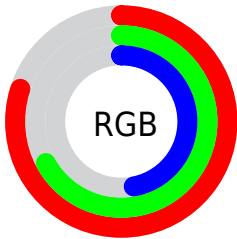
Format	Color
RYB	175, 203, 120
Decimal	13347448
CIELab	71.42, 5.23, 30.26
CIELCh	71, 30.708, 80.199
Yxy	42.8020, 0.3890, 0.3927
Android (android.graphics.Color)	4291537528 (0xFFCBAA78)
YUV	174.1670, -26.7043, 25.2865
Hunter-Lab	65.4232, 1.1895, 24.2334

Details

The Yxy color $42.8020, 0.3890, 0.3927$ is a light color, and the websafe version is hex $CC9966$. A complement of this color would be $31.0965, 0.2453, 0.2550$, and the grayscale version is $42.5458, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.1276, 0.3703, 0.3821$, and $19.6148, 0.4096, 0.4089$ is the 20% darker color. If you saturate the color by 10%, you get $39.4265, 0.4117, 0.4075$, and if you desaturate by 10%, it is $46.4721, 0.3676, 0.3769$.

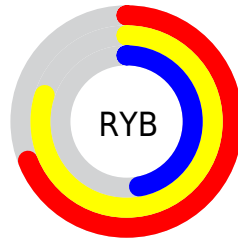
Distribution



Red (80%)

Green (67%)

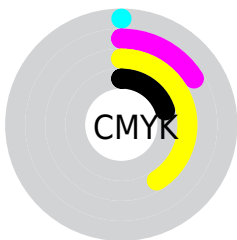
Blue (47%)



Red (69%)

Yellow (80%)

Blue (47%)

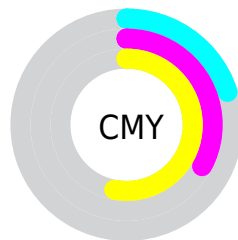


Cyan (0%)

Magenta (16%)

Yellow (41%)

Black (20%)



Cyan (20%)


Magenta (33%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.8020, 0.3890, 0.3927 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 42.8020, 0.3890, 0.3927 by changing the saturation by 10% instead.


 42.8020, 0.3890,
0.3927


 42.8020, 0.3890,
0.3927


357.7969, 0.3506,
0.3614

 29.7298, 0.3984,
0.4001


 79.4120, 0.3751,
0.3816

 19.6336, 0.4104,
0.4093


 103.7186, 0.3699,
0.3773

 12.1290, 0.4258,
0.4208


 132.5387, 0.3654,
0.3737

 6.8316, 0.4463,
0.4353

166.2568, 0.3616,
0.3706

 3.3570, 0.4787,
0.4577

205.2573, 0.3583,
0.3678

 1.3208, 0.5197,
0.4803

249.9245, 0.3554,

 0.1572, 0.6379,

0.3654

0.3621

300.6429, 0.3529,
0.3633

0.0000, 0.0000,
0.0000

42.8020, 0.3890,
0.3927

42.8020, 0.3890,
0.3927

39.4265, 0.4117,
0.4075

46.4721, 0.3676,
0.3769

36.3296, 0.4350,
0.4204

50.4400, 0.3479,
0.3609

33.5025, 0.4579,
0.4300

54.7166, 0.3300,
0.3452

30.9331, 0.4791,
0.4354

59.3102, 0.3141,
0.3303

28.6078, 0.4976,
0.4356

64.2286, 0.2999,
0.3163

■ 26.6835, 0.5118,
0.4318

■ 69.4794, 0.2873,
0.3033

■ 74.6033, 0.2802,
0.2985

■ 79.1137, 0.2807,
0.3073

■ 83.8340, 0.2813,
0.3160

Harmonies

Analogous

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



42.8020, 0.4011, 0.3623



42.8020, 0.3890, 0.3927



42.8020, 0.3563, 0.4084

Triad

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



42.8020, 0.3890, 0.3927



42.8020, 0.2428, 0.3243



42.8020, 0.3071, 0.2693

Complementary

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



42.8020, 0.3890, 0.3927



31.0965, 0.2453, 0.2550

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.



42.8020, 0.2667, 0.2582



42.8020, 0.3890, 0.3927



42.8020, 0.2317, 0.2862

Square

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



42.8020, 0.3890, 0.3927



42.8020, 0.2720, 0.3678



42.8020, 0.2401, 0.2634



42.8020, 0.3520, 0.2937

Rectangle

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



42.8020, 0.3890, 0.3927



42.8020, 0.3281, 0.4059



42.8020, 0.2401, 0.2634



42.8020, 0.2926, 0.2639

Sweetspot

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



42.8040, 0.3890, 0.3927



90.6611, 0.3322, 0.3472



28.4384, 0.3737, 0.2863



19.1978, 0.3345, 0.3492



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.



42.8040, 0.3890, 0.3927



66.6760, 0.4088, 0.4058



55.6464, 0.3662, 0.4319



12.3186, 0.3275, 0.3429



17.1583, 0.5102, 0.4331



1.0310, 0.4879, 0.4508

Inverse Universe

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



31.0965, 0.2453, 0.2550



44.5143, 0.2304, 0.2356



22.3565, 0.2443, 0.2065



11.5641, 0.2983, 0.3147



6.6332, 0.1686, 0.1270



0.4894, 0.1796, 0.1665

Previews

White Background



This preview shows how the Yxy color 42.8020, 0.3890, 0.3927 looks on a white background.

Color Contrast Check

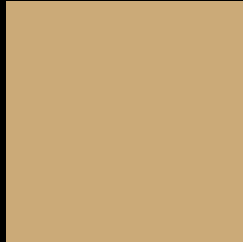
Large Text (above 18pt) WCAG AA × Fail

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 42.8020, 0.3890, 0.3927 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

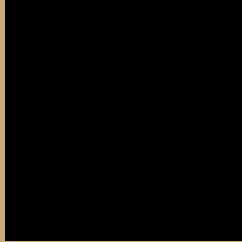
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.8020, 0.3890, 0.3927

Background



This preview shows how black text looks on a background with the Yxy color 42.8020, 0.3890, 0.3927.



This preview shows how white text looks on a background with the Yxy color 42.8020, 0.3890, 0.3927.

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

42.8020, 0.3890, 0.3927

Protanopia

42.8839, 0.3712, 0.3997

Deuteranopia

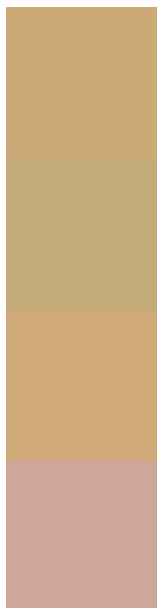
42.9166, 0.3959, 0.3889



Tritanopia

42.8448, 0.3457, 0.3143

Trichromacy



Original Color

42.8020, 0.3890, 0.3927

Protanomaly

42.7370, 0.3778, 0.3973

Deuteranomaly

42.9974, 0.3934, 0.3906

Tritanomaly

42.9044, 0.3620, 0.3430

Monochromacy



Original Color

42.8020, 0.3890, 0.3927

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

42.5345, 0.3400, 0.3546

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8020, 0.3890, 0.3927 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, 170, 120)` looks like.

```
.text, #text, p{  
    color:rgb(203, 170, 120)  
}
```

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, 170, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 170, 120) }
```

Border

The CSS property to change the border of an element to Yxy 42.8020, 0.3890, 0.3927 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, 170, 120) }
```

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

```
.border{ border-color:rgb(203, 170, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 170, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 170, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 170, 120);  
box-shadow:4px 4px 4px 4px rgb(203, 170,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8020, 0.3890, 0.3927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 170, 120) }
```

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

```
.background{ background-color: rgb(203,  
170, 120) }
```

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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