

Converting Colors

$Y_{xy}(42.9720, 0.3772, 0.3778)$

Have a look what the booklet for
Yxy(42.9720, 0.3772, 0.3778)
contains.

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Color

Yxy(42.9720, 0.3772, 0.3778)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | CAAA84 |
| RGB | 202, 170, 132 |
| RGB Percent | 79%, 67%, 52% |
| CMY | 0.2077, 0.3334, 0.4823 |
| CMYK | 0.00, 0.16, 0.35, 0.21 |
| HSL | 33°, 40%, 65% |
| HSV | 33°, 35%, 79% |
| XYZ | 42.9038, 42.9720, 27.8670 |
| YIQ | 175.2360, 31.2700, -5.0340 |

Conversions

Conversions Part 2

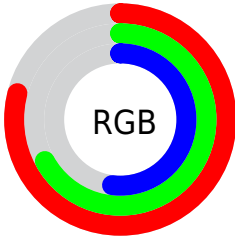
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 191, 202, 132 |
| Decimal | 13281924 |
| CIE Lab | 71.54, 6.24, 23.94 |
| CIE LCh | 72, 24.743, 75.392 |
| Yxy | 42.9720, 0.3772, 0.3778 |
| Android (android.graphics.Color) | 4291472004 (0xFFCAA84) |
| YUV | 175.2360, -21.3153, 23.4720 |
| Hunter-Lab | 65.5530, 2.1085, 20.6826 |

Details

The Yxy color **42.9720, 0.3772, 0.3778** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **35.7419, 0.2570, 0.2744**, and the grayscale version is **43.1016, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6132, 0.3619, 0.3699**, and **19.7691, 0.3964, 0.3911** is the 20% darker color. If you saturate the color by 10%, you get **39.1284, 0.4005, 0.3920**, and if you desaturate by 10%, it is **47.1705, 0.3559, 0.3633**.

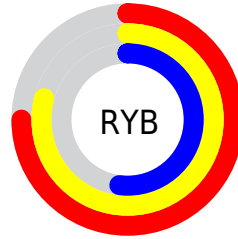
Distribution



Red (79%)

Green (67%)

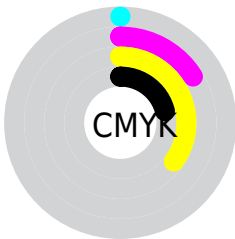
Blue (52%)



Red (75%)

Yellow (79%)

Blue (52%)

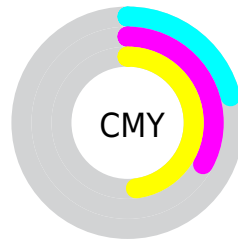


Cyan (0%)

Magenta (16%)

Yellow (35%)

Black (21%)



Cyan (21%)


Magenta (33%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.9720, 0.3772, 0.3778 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 42.9720, 0.3772, 0.3778 by changing the saturation by 10% instead.

 42.9720, 0.3772,
0.3778


 42.9720, 0.3772,
0.3778


358.4966, 0.3445,
0.3538


 29.8631, 0.3854,
0.3836


 79.6686, 0.3653,
0.3692

 19.7347, 0.3959,
0.3908


 104.0251, 0.3608,
0.3659

 12.2024, 0.4097,
0.4001


 132.8997, 0.3571,
0.3631

 6.8817, 0.4286,
0.4122

166.6767, 0.3538,
0.3608

 3.3882, 0.4556,
0.4279

205.7405, 0.3510,
0.3587

 1.3376, 0.5257,
0.4743

250.4754, 0.3486,

 0.1700, 0.6487,

0.3568

0.3513

301.2660, 0.3464,
0.3552

0.0000, 0.0000,
0.0000

42.9720, 0.3772,
0.3778

42.9720, 0.3772,
0.3778

39.1284, 0.4005,
0.3920

47.1705, 0.3559,
0.3633

35.6225, 0.4254,
0.4049

51.7283, 0.3368,
0.3489

32.4443, 0.4510,
0.4154

56.6576, 0.3199,
0.3351

29.5808, 0.4762,
0.4223


61.9678, 0.3050,
0.3222

27.0176, 0.4995,
0.4245


67.6681, 0.2919,
0.3102


 24.7382, 0.5195,
0.4213

 73.7672, 0.2805,
0.2991

 23.6238, 0.5291,
0.4181

 79.0287, 0.2802,
0.3073

 84.4518, 0.2808,
0.3173

 90.1540, 0.2815,
0.3270

Harmonies

Analogous

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



42.9720, 0.3833, 0.3523



42.9720, 0.3772, 0.3778



42.9720, 0.3534, 0.3919

Triad

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



42.9720, 0.3772, 0.3778



42.9720, 0.2588, 0.3313



42.9720, 0.3028, 0.2778

Complementary

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



42.9720, 0.3772, 0.3778



35.7419, 0.2570, 0.2744

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.



42.9720, 0.2711, 0.2709



42.9720, 0.3772, 0.3778



42.9720, 0.2469, 0.2993

Square

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



42.9720, 0.3772, 0.3778



42.9720, 0.2849, 0.3650



42.9720, 0.2513, 0.2780



42.9720, 0.3389, 0.2965

Rectangle

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



42.9720, 0.3772, 0.3778



42.9720, 0.3313, 0.3915



42.9720, 0.2513, 0.2780



42.9720, 0.2913, 0.2740

Sweetspot

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



42.9740, 0.3772, 0.3778



91.2450, 0.3289, 0.3426



31.7723, 0.3559, 0.2871



19.2781, 0.3314, 0.3446



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.



42.9740, 0.3772, 0.3778



67.5343, 0.3955, 0.3891



56.1602, 0.3624, 0.4151



12.2050, 0.3277, 0.3416



15.3765, 0.5272, 0.4196



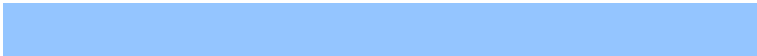
0.9439, 0.5006, 0.4407

Inverse Universe

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



35.7419, 0.2570, 0.2744



53.3967, 0.2438, 0.2594



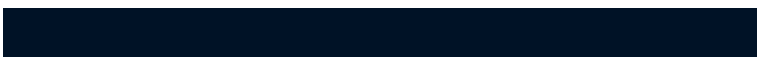
25.8686, 0.2526, 0.2268



11.6756, 0.2983, 0.3161



7.8914, 0.1737, 0.1453



0.5582, 0.1841, 0.1828

Previews

White Background



This preview shows how the Yxy color 42.9720, 0.3772, 0.3778 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 42.9720, 0.3772, 0.3778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

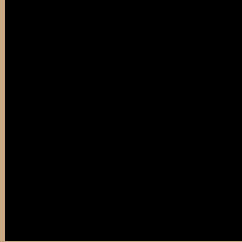
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.9720, 0.3772, 0.3778

Background



This preview shows how black text looks on a background with the Yxy color 42.9720, 0.3772, 0.3778.



This preview shows how white text looks on a background with the Yxy color 42.9720, 0.3772, 0.3778.

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

42.9720, 0.3772, 0.3778

Protanopia

42.9460, 0.3589, 0.3841

Deuteranopia

42.9366, 0.3829, 0.3745



Tritanopia

42.9906, 0.3418, 0.3130

Trichromacy



Original Color

42.9720, 0.3772, 0.3778

Protanomaly

42.7871, 0.3653, 0.3820

Deuteranomaly

43.0210, 0.3805, 0.3761

Tritanomaly

42.8248, 0.3544, 0.3354

Monochromacy



Original Color

42.9720, 0.3772, 0.3778

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

42.7046, 0.3356, 0.3478

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.9720, 0.3772, 0.3778 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(202, 170, 132)` looks like.

```
.text, #text, p{  
    color:rgb(202, 170, 132)  
}
```

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(202, 170, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 170, 132) }
```

Border

The CSS property to change the border of an element to Yxy 42.9720, 0.3772, 0.3778 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(202, 170, 132) }
```

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

```
.border{ border-color:rgb(202, 170, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 170, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 170, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 170, 132);  
box-shadow:4px 4px 4px 4px rgb(202, 170,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 42.9720, 0.3772, 0.3778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 170, 132) }
```

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

```
.background{ background-color: rgb(202,  
170, 132) }
```

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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