

Converting Colors

$Y_{xy}(42.5283, 0.3645, 0.3660)$

Have a look what the booklet for
Yxy(42.5283, 0.3645, 0.3660)
contains.

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Color

Yxy(42.6783, 0.3650, 0.3668)

Conversions

Conversions Part 1

Format	Color
Hex	C6AA8D
RGB	198, 170, 141
RGB Percent	78%, 67%, 55%
CMY	0.2236, 0.3333, 0.4470
CMYK	0.00, 0.14, 0.29, 0.22
HSL	31°, 33%, 66%
HSV	31°, 29%, 78%
XYZ	42.4689, 42.6783, 31.2059
YIQ	175.0660, 25.9970, -3.0830

Conversions

Conversions Part 2

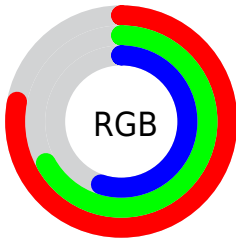
Format	Color
RYB	196, 198, 141
Decimal	13019789
CIELab	71.34, 5.80, 18.72
CIELCh	71, 19.595, 72.779
Yxy	42.6783, 0.3650, 0.3668
Android (android.graphics.Color)	4291209869 (0xFFC6AA8D)
YUV	175.0660, -16.7945, 20.1131
Hunter-Lab	65.3286, 1.7143, 17.4087

Details

The Yxy color **42.6783, 0.3650, 0.3668** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **38.1142, 0.2671, 0.2879**, and the grayscale version is **42.9850, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.0506, 0.3549, 0.3596**, and **19.5518, 0.3796, 0.3769** is the 20% darker color. If you saturate the color by 10%, you get **38.6307, 0.3877, 0.3804**, and if you desaturate by 10%, it is **47.1048, 0.3447, 0.3532**.

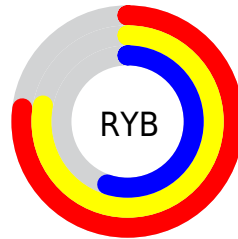
Distribution



Red (78%)

Green (67%)

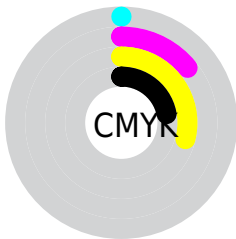
Blue (55%)



Red (77%)

Yellow (78%)

Blue (55%)

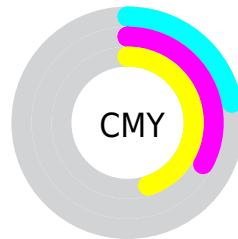


Cyan (0%)

Magenta (14%)

Yellow (29%)

Black (22%)



Cyan (22%)


Magenta (33%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.6783, 0.3650, 0.3668 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 42.6783, 0.3650, 0.3668 by changing the saturation by 10% instead.


 42.6783, 0.3650,
0.3668

 42.6783, 0.3650,
0.3668

357.2871, 0.3384,
0.3481

 29.6328, 0.3717,
0.3714


 79.2252, 0.3552,
0.3600

 19.5600, 0.3804,
0.3772


 103.4953, 0.3516,
0.3575

 12.0756, 0.3921,
0.3848


 132.2758, 0.3485,
0.3553

 6.7952, 0.4083,
0.3949

165.9510, 0.3459,
0.3535

 3.3344, 0.4322,
0.4089

204.9054, 0.3437,
0.3518

 1.3087, 0.5125,
0.4668

249.5232, 0.3417,

 0.1479, 0.6561,

0.3504

0.3439

300.1890, 0.3399,
0.3492

0.0000, 0.0000,
0.0000

42.6783, 0.3650,
0.3668

42.6783, 0.3650,
0.3668

38.6307, 0.3877,
0.3804

47.1048, 0.3447,
0.3532

34.9448, 0.4126,
0.3934

51.9151, 0.3267,
0.3400

31.6103, 0.4391,
0.4047

57.1214, 0.3109,
0.3275

28.6142, 0.4662,
0.4132

62.7338, 0.2971,
0.3159

25.9424, 0.4924,
0.4176

68.7615, 0.2851,
0.3051

■ 23.5790, 0.5162,
0.4169

■ 74.9000, 0.2773,
0.3002

■ 21.5022, 0.5363,
0.4112

■ 80.4116, 0.2781,
0.3109

■ 21.2640, 0.5388,
0.4104

■ 86.2289, 0.2789,
0.3213

■ 90.7435, 0.2794,
0.3289

Harmonies

Analogous

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



42.6783, 0.3682, 0.3462



42.6783, 0.3650, 0.3668



42.6783, 0.3474, 0.3784

Triad

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



42.6783, 0.3650, 0.3668



42.6783, 0.2711, 0.3335



42.6783, 0.3026, 0.2868

Complementary

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



42.6783, 0.3650, 0.3668



38.1142, 0.2671, 0.2879

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.



42.6783, 0.2777, 0.2823



42.6783, 0.3650, 0.3668



42.6783, 0.2602, 0.3077

Square

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



42.6783, 0.3650, 0.3668



42.6783, 0.2930, 0.3593



42.6783, 0.2626, 0.2895



42.6783, 0.3312, 0.3013

Rectangle

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



42.6783, 0.3650, 0.3668



42.6783, 0.3303, 0.3786



42.6783, 0.2626, 0.2895



42.6783, 0.2935, 0.2841

Sweetspot

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



42.6803, 0.3650, 0.3668



91.6279, 0.3273, 0.3405



33.9425, 0.3444, 0.2921



19.3343, 0.3298, 0.3424



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.



42.6803, 0.3650, 0.3668



70.6778, 0.3801, 0.3760



54.3075, 0.3557, 0.4001



11.5143, 0.3277, 0.3408



14.0028, 0.5368, 0.4120



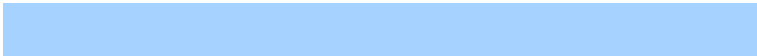
0.8078, 0.5059, 0.4365

Inverse Universe

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



38.1142, 0.2671, 0.2879



61.1853, 0.2561, 0.2765



28.7965, 0.2628, 0.2464



11.1331, 0.2983, 0.3169



8.4099, 0.1768, 0.1564



0.5431, 0.1875, 0.1948

Previews

White Background



This preview shows how the Yxy color 42.6783, 0.3650, 0.3668 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 42.6783, 0.3650, 0.3668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

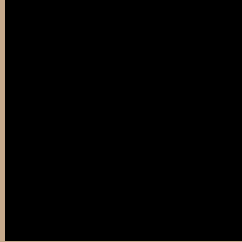
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.6783, 0.3650, 0.3668

Background



This preview shows how black text looks on a background with the Yxy color 42.6783, 0.3650, 0.3668.



This preview shows how white text looks on a background with the Yxy color 42.6783, 0.3650, 0.3668.

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

42.6783, 0.3650, 0.3668

Protanopia

42.5696, 0.3494, 0.3709

Deuteranopia

42.6249, 0.3706, 0.3637



Tritanopia

42.6812, 0.3360, 0.3127

Trichromacy



Original Color

42.6783, 0.3650, 0.3668

Protanomaly

42.7873, 0.3554, 0.3703

Deuteranomaly

42.7165, 0.3683, 0.3652

Tritanomaly

42.7716, 0.3466, 0.3316

Monochromacy



Original Color

42.6783, 0.3650, 0.3668

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

42.5988, 0.3303, 0.3425

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6783, 0.3650, 0.3668 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(198, 170, 141)` looks like.

```
.text, #text, p{  
    color:rgb(198, 170, 141)  
}
```

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(198, 170, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 170, 141) }
```

Border

The CSS property to change the border of an element to Yxy 42.6783, 0.3650, 0.3668 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(198, 170, 141) }
```

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

```
.border{ border-color:rgb(198, 170, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 170, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 170, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 170, 141);  
box-shadow:4px 4px 4px 4px rgb(198, 170,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6783, 0.3650, 0.3668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 170, 141) }
```

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

```
.background{ background-color: rgb(198,  
170, 141) }
```

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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