

Converting Colors

$Y_{xy}(52.1233, 0.3913, 0.4070)$

Have a look what the booklet for
Yxy(52.1233, 0.3913, 0.4070)
contains.

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Color

Yxy(52.1233, 0.3913, 0.4070)

Conversions

Conversions Part 1

Format	Color
Hex	D9BC7A
RGB	217, 188, 122
RGB Percent	85%, 74%, 48%
CMY	0.1490, 0.2627, 0.5216
CMYK	0.00, 0.13, 0.44, 0.15
HSL	42°, 56%, 66%
HSV	42°, 44%, 85%
XYZ	50.1126, 52.1233, 25.8311
YIQ	189.1470, 38.4700, -14.3780

Conversions

Conversions Part 2

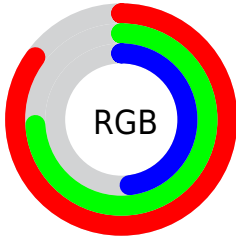
Format	Color
RYB	164, 217, 122
Decimal	14269562
CIELab	77.35, 1.54, 37.15
CIELCh	77, 37.177, 87.626
Yxy	52.1233, 0.3913, 0.4070
Android (android.graphics.Color)	4292459642 (0xFFD9BC7A)
YUV	189.1470, -33.1035, 24.4271
Hunter-Lab	72.1965, -2.4443, 29.3242

Details

The Yxy color **52.1233, 0.3913, 0.4070** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **31.2816, 0.2379, 0.2353**, and the grayscale version is **51.1556, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0565, 0.3633, 0.3978**, and **25.2694, 0.4101, 0.4259** is the 20% darker color. If you saturate the color by 10%, you get **48.8806, 0.4116, 0.4233**, and if you desaturate by 10%, it is **55.6209, 0.3713, 0.3893**.

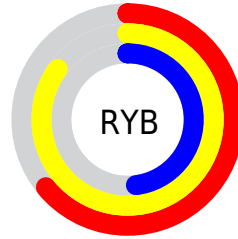
Distribution



Red (85%)

Green (74%)

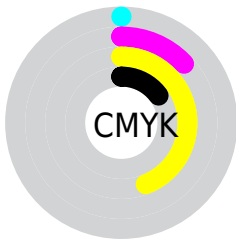
Blue (48%)



Red (64%)

Yellow (85%)

Blue (48%)

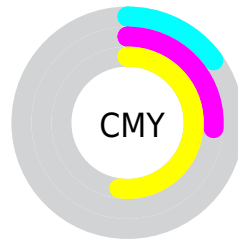


Cyan (0%)

Magenta (13%)

Yellow (44%)

Black (15%)



Cyan (15%)


Magenta (26%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.1233, 0.3913, 0.4070 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 52.1233, 0.3913, 0.4070 by changing the saturation by 10% instead.

 52.1233, 0.3913,
0.4070


 52.1233, 0.3913,
0.4070


394.9124, 0.3535,
0.3698

 37.1034, 0.4000,
0.4155


 93.3131, 0.3780,
0.3940

 25.2875, 0.4107,
0.4259


 120.2517, 0.3729,
0.3890

 16.2914, 0.4240,
0.4387


 151.9320, 0.3685,
0.3846

 9.7306, 0.4407,
0.4545

188.7383, 0.3647,
0.3809

 5.2207, 0.4621,
0.4743

231.0552, 0.3614,
0.3776

 2.3773, 0.4953,
0.5047

279.2669, 0.3584,

 0.8142, 0.4992,

0.3747

0.5008

333.7578, 0.3558,
0.3721

0.0000, 0.0000,
0.0000

52.1233, 0.3913,
0.4070

52.1233, 0.3913,
0.4070

48.8806, 0.4116,
0.4233

55.6209, 0.3713,
0.3893

45.8758, 0.4316,
0.4371

59.3751, 0.3523,
0.3710

43.1003, 0.4501,
0.4472

63.3968, 0.3347,
0.3529

40.5419, 0.4664,
0.4528

67.6938, 0.3184,
0.3354

38.1860, 0.4796,
0.4534

72.2738, 0.3038,
0.3188

■ 36.8089, 0.4866,
0.4518

■ 77.1437, 0.2906,
0.3034

■ 81.0323, 0.2892,
0.3076

■ 84.8833, 0.2895,
0.3145

■ 88.8769, 0.2897,
0.3214

Harmonies

Analogous

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



52.1233, 0.4120, 0.3750



52.1233, 0.3913, 0.4070



52.1233, 0.3500, 0.4199

Triad

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



52.1233, 0.3913, 0.4070



52.1233, 0.2289, 0.3112



52.1233, 0.3188, 0.2677

Complementary

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



52.1233, 0.3913, 0.4070



31.2816, 0.2379, 0.2353

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.



52.1233, 0.2707, 0.2512



52.1233, 0.3913, 0.4070



52.1233, 0.2221, 0.2721

Square

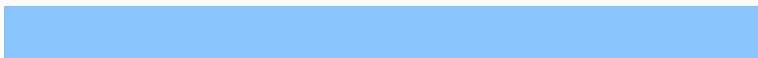
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



52.1233, 0.3913, 0.4070



52.1233, 0.2567, 0.3612



52.1233, 0.2367, 0.2519



52.1233, 0.3688, 0.2977

Rectangle

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



52.1233, 0.3913, 0.4070



52.1233, 0.3171, 0.4125



52.1233, 0.2367, 0.2519



52.1233, 0.3018, 0.2605

Sweetspot

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



52.1257, 0.3913, 0.4070



91.7583, 0.3335, 0.3517



30.9414, 0.3901, 0.2926



19.3552, 0.3373, 0.3557



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.



52.1257, 0.3913, 0.4070



70.5754, 0.4110, 0.4228



63.2568, 0.3635, 0.4418



14.5580, 0.3274, 0.3452



22.4752, 0.4854, 0.4528



1.6055, 0.4721, 0.4634

Inverse Universe

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



31.2816, 0.2379, 0.2353



36.7296, 0.2203, 0.2100



24.4540, 0.2447, 0.1981



13.2622, 0.2981, 0.3123



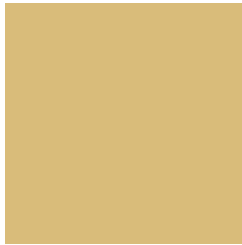
5.5728, 0.1616, 0.1017



0.5109, 0.1707, 0.1345

Previews

White Background



This preview shows how the Yxy color 52.1233, 0.3913, 0.4070 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 52.1233, 0.3913, 0.4070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

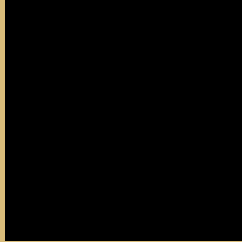
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.1233, 0.3913, 0.4070

Background



This preview shows how black text looks on a background with the Yxy color 52.1233, 0.3913, 0.4070.



This preview shows how white text looks on a background with the Yxy color 52.1233, 0.3913, 0.4070.

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

52.1233, 0.3913, 0.4070

Protanopia

52.1016, 0.3809, 0.4116

Deuteranopia

52.1200, 0.4049, 0.3971



Tritanopia

51.9377, 0.3404, 0.3130

Trichromacy



Original Color

52.1233, 0.3913, 0.4070

Protanomaly

52.1059, 0.3841, 0.4097

Deuteranomaly

52.1355, 0.3993, 0.4005

Tritanomaly

51.6181, 0.3596, 0.3468

Monochromacy



Original Color

52.1233, 0.3913, 0.4070

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

51.2539, 0.3401, 0.3591

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.1233, 0.3913, 0.4070 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(217, 188, 122)` looks like.

```
.text, #text, p{  
    color:rgb(217, 188, 122)  
}
```

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(217, 188, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 188, 122) }
```

Border

The CSS property to change the border of an element to Yxy 52.1233, 0.3913, 0.4070 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(217, 188, 122) }
```

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

```
.border{ border-color:rgb(217, 188, 122) }
```

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

Here you see how a box with a 4 pixel rgb(217, 188, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 188, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 188, 122);  
box-shadow:4px 4px 4px 4px rgb(217, 188,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 52.1233, 0.3913, 0.4070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 188, 122) }
```

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

```
.background{ background-color: rgb(217,  
188, 122) }
```

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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