

Converting Colors

$Yxy(51.5679, 0.3829, 0.4273)$

Have a look what the booklet for
Yxy(51.5679, 0.3829, 0.4273)
contains.

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Color

Yxy(51.4257, 0.3832, 0.4272)

Conversions

Conversions Part 1

Format	Color
Hex	CAC070
RGB	202, 192, 112
RGB Percent	79%, 75%, 44%
CMY	0.2079, 0.2470, 0.5608
CMYK	0.00, 0.05, 0.45, 0.21
HSL	53°, 46%, 62%
HSV	53°, 45%, 79%
XYZ	46.1290, 51.4257, 22.8238
YIQ	185.8700, 31.6400, -22.7600

Conversions

Conversions Part 2

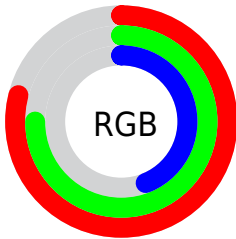
Format	Color
RYB	123, 202, 112
Decimal	13287536
CIELab	76.94, -7.66, 41.43
CIElCh	77, 42.130, 100.471
Yxy	51.4257, 0.3832, 0.4272
Android (android.graphics.Color)	4291477616 (0xFFCAC070)
YUV	185.8700, -36.4179, 14.1460
Hunter-Lab	71.7117, -10.6742, 31.3279

Details

The Yxy color **51.4257, 0.3832, 0.4272** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **21.6228, 0.2321, 0.2066**, and the grayscale version is **49.2212, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1114, 0.3682, 0.4112**, and **24.9240, 0.3985, 0.4524** is the 20% darker color. If you saturate the color by 10%, you get **50.0511, 0.3983, 0.4466**, and if you desaturate by 10%, it is **52.9209, 0.3672, 0.4059**.

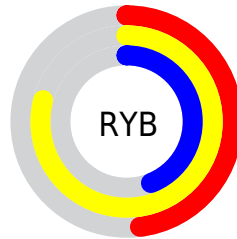
Distribution



Red (79%)

Green (75%)

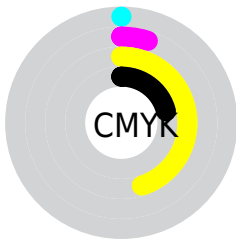
Blue (44%)



Red (48%)

Yellow (79%)

Blue (44%)

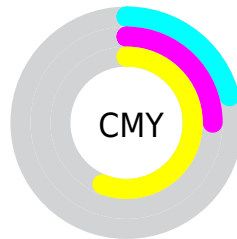


Cyan (0%)

Magenta (5%)

Yellow (45%)

Black (21%)



Cyan (21%)


Magenta (25%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.4257, 0.3832, 0.4272 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 51.4257, 0.3832, 0.4272 by changing the saturation by 10% instead.

 51.4257, 0.3832,
0.4272


 51.4257, 0.3832,
0.4272


392.2155, 0.3501,
0.3793


 36.5475, 0.3905,
0.4384


 92.2837, 0.3718,
0.4102

 24.8573, 0.3992,
0.4523


 119.0323, 0.3673,
0.4037

 15.9708, 0.4096,
0.4696


 150.5066, 0.3635,
0.3982

 9.5035, 0.4215,
0.4913

 187.0908, 0.3601,
0.3933

 5.0710, 0.4392,
0.5245

229.1694, 0.3571,
0.3891

 2.2890, 0.4459,
0.5541

277.1268, 0.3545,

 0.7679, 0.4142,

0.3854

0.5858

331.3473, 0.3522,
0.3822

0.0000, 0.0000,
0.0000

51.4257, 0.3832,
0.4272

51.4257, 0.3832,
0.4272

50.0511, 0.3983,
0.4466

52.9209, 0.3672,
0.4059

48.7832, 0.4118,
0.4630

54.5359, 0.3509,
0.3835

47.6165, 0.4232,
0.4756


56.2788, 0.3349,
0.3609


46.5422, 0.4319,
0.4838

58.1550, 0.3194,
0.3388


45.5493, 0.4379,
0.4877


60.1695, 0.3049,
0.3176

 45.0315, 0.4404,
0.4885

 62.3270, 0.2914,
0.2976

 64.6321, 0.2791,
0.2791

 65.8331, 0.2783,
0.2800

 66.9464, 0.2785,
0.2825

Harmonies

Analogous

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



51.4257, 0.4188, 0.3972



51.4257, 0.3832, 0.4272



51.4257, 0.3305, 0.4299

Triad

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



51.4257, 0.3832, 0.4272



51.4257, 0.2123, 0.2868



51.4257, 0.3444, 0.2729

Complementary

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



51.4257, 0.3832, 0.4272



21.6228, 0.2321, 0.2066

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.



51.4257, 0.2868, 0.2475



51.4257, 0.3832, 0.4272



51.4257, 0.2151, 0.2519

Square

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



51.4257, 0.3832, 0.4272



51.4257, 0.2332, 0.3404



51.4257, 0.2409, 0.2394



51.4257, 0.3969, 0.3108

Rectangle

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



51.4257, 0.3832, 0.4272



51.4257, 0.2932, 0.4114



51.4257, 0.2409, 0.2394



51.4257, 0.3248, 0.2628

Sweetspot

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



51.4281, 0.3832, 0.4272



95.7227, 0.3327, 0.3578



25.5611, 0.4160, 0.3156



20.3416, 0.3362, 0.3628



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.



51.4281, 0.3832, 0.4272



84.9398, 0.3971, 0.4451



51.6748, 0.3487, 0.4495



12.8759, 0.3268, 0.3494



29.0623, 0.4401, 0.4888



1.5614, 0.4355, 0.4924

Inverse Universe

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



21.6228, 0.2321, 0.2066



28.4850, 0.2135, 0.1767



22.0089, 0.2605, 0.2019



11.0410, 0.2982, 0.3077



3.1891, 0.1524, 0.0686



0.2336, 0.1592, 0.0930

Previews

White Background



This preview shows how the Yxy color 51.4257, 0.3832, 0.4272 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 51.4257, 0.3832, 0.4272 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

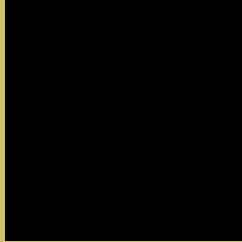
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.4257, 0.3832, 0.4272

Background



This preview shows how black text looks on a background with the Yxy color 51.4257, 0.3832, 0.4272.



This preview shows how white text looks on a background with the Yxy color 51.4257, 0.3832, 0.4272.

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

51.4257, 0.3832, 0.4272

Protanopia

51.3845, 0.3904, 0.4242

Deuteranopia

51.0856, 0.4132, 0.4044



Tritanopia

51.2903, 0.3263, 0.3125

Trichromacy



Original Color

51.4257, 0.3832, 0.4272

Protanomaly

51.5311, 0.3881, 0.4259

Deuteranomaly

51.1058, 0.4026, 0.4128

Tritanomaly

51.2443, 0.3487, 0.3548

Monochromacy



Original Color

51.4257, 0.3832, 0.4272

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.6761, 0.3390, 0.3663

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4257, 0.3832, 0.4272 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, 192, 112)` looks like.

```
.text, #text, p{  
    color:rgb(202, 192, 112)  
}
```

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, 192, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 192, 112) }
```

Border

The CSS property to change the border of an element to Yxy 51.4257, 0.3832, 0.4272 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, 192, 112) }
```

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

```
.border{ border-color:rgb(202, 192, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 192, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 192, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 192, 112);  
box-shadow:4px 4px 4px 4px rgb(202, 192,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 51.4257, 0.3832, 0.4272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 192, 112) }
```

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

```
.background{ background-color: rgb(202,  
192, 112) }
```

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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