

Converting Colors

$Yxy(42.4265, 0.3104, 0.3789)$

Have a look what the booklet for
Yxy(42.4265, 0.3104, 0.3789)
contains.

Yxy(42.4265, 0.3104, 0.3789)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.4265, 0.3104, 0.3789)

Conversions

Conversions Part 1

Format	Color
Hex	95B795
RGB	149, 183, 149
RGB Percent	58%, 72%, 58%
CMY	0.4156, 0.2824, 0.4157
CMYK	0.19, 0.00, 0.19, 0.28
HSL	120°, 19%, 65%
HSV	120°, 19%, 72%
XYZ	34.7564, 42.4265, 34.7900
YIQ	168.9580, -9.3500, -17.7820

Conversions

Conversions Part 2

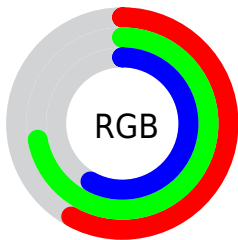
Format	Color
RYB	149, 183, 183
Decimal	9811861
CIELab	71.16, -18.16, 13.55
CIELCh	71, 22.659, 143.262
Yxy	42.4265, 0.3104, 0.3789
Android (android.graphics.Color)	4288001941 (0xFF95B795)
YUV	168.9580, -9.8393, -17.5032
Hunter-Lab	65.1356, -18.7398, 13.9272

Details

The Yxy color **42.4265, 0.3104, 0.3789** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **34.9767, 0.3148, 0.2837**, and the grayscale version is **39.7106, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7413, 0.3108, 0.3693**, and **19.4438, 0.3096, 0.3954** is the 20% darker color. If you saturate the color by 10%, you get **40.3017, 0.3089, 0.4105**, and if you desaturate by 10%, it is **44.9168, 0.3117, 0.3506**.

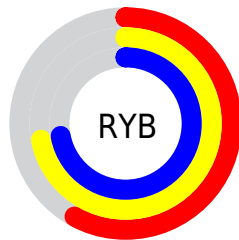
Distribution



Red (58%)

Green (72%)

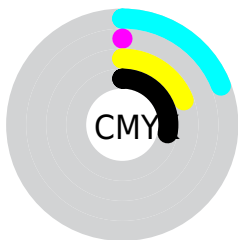
Blue (58%)



Red (58%)

Yellow (72%)

Blue (72%)

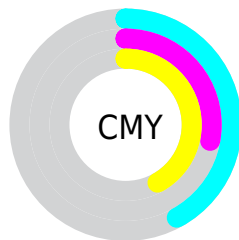


Cyan (19%)

Magenta (0%)

Yellow (19%)

Black (28%)



Cyan (42%)


Magenta (28%)

Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.4265, 0.3104, 0.3789 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 42.4265, 0.3104, 0.3789 by changing the saturation by 10% instead.


 42.4265, 0.3104,
0.3789

 42.4265, 0.3104,
0.3789


356.2479, 0.3120,
0.3528

 29.4354, 0.3099,
0.3858


 78.8447, 0.3111,
0.3691

 19.4104, 0.3091,
0.3949


 103.0406, 0.3113,
0.3655

 11.9672, 0.3078,
0.4075


131.7402, 0.3115,
0.3626

 6.7214, 0.3057,
0.4259

165.3279, 0.3116,
0.3600

 3.2885, 0.3017,
0.4553

204.1882, 0.3117,
0.3578

 1.2841, 0.3030,
0.5320

248.7053, 0.3118,

 0.1289, 0.0000,

0.3559

1.0000

299.2638, 0.3119,
0.3543

0.0000, 0.0000,
0.0000

42.4265, 0.3104,
0.3789

42.4265, 0.3104,
0.3789

40.3017, 0.3089,
0.4105

44.9168, 0.3117,
0.3506

38.5200, 0.3073,
0.4447

47.7828, 0.3129,
0.3257

37.0652, 0.3057,
0.4802

51.0413, 0.3139,
0.3041

35.9173, 0.3040,
0.5150

54.7061, 0.3147,
0.2854

35.0545, 0.3026,
0.5465

58.7907, 0.3155,
0.2695

■ 34.4517, 0.3014,
0.5720

■ 62.3461, 0.3160,
0.2585

■ 34.0798, 0.3005,
0.5894

■ 33.8896, 0.3001,
0.5988

■ 33.8672, 0.3000,
0.6000

Harmonies

Analogous

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



42.4265, 0.3427, 0.3876



42.4265, 0.3104, 0.3789



42.4265, 0.2799, 0.3544

Triad

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



42.4265, 0.3104, 0.3789



42.4265, 0.2595, 0.2789



42.4265, 0.3696, 0.3308

Complementary

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



42.4265, 0.3104, 0.3789



34.9767, 0.3148, 0.2837

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.



42.4265, 0.3451, 0.3049



42.4265, 0.3104, 0.3789



42.4265, 0.2812, 0.2757

Square

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



42.4265, 0.3104, 0.3789



42.4265, 0.2515, 0.2955



42.4265, 0.3123, 0.2852



42.4265, 0.3779, 0.3575

Rectangle

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



42.4265, 0.3104, 0.3789



42.4265, 0.2644, 0.3335



42.4265, 0.3123, 0.2852



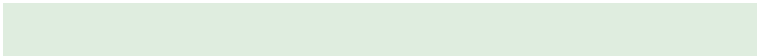
42.4265, 0.3629, 0.3218

Sweetspot

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



42.4283, 0.3104, 0.3789



81.6561, 0.3120, 0.3441



45.8698, 0.3403, 0.3738



17.9647, 0.3119, 0.3458



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.4283, 0.3104, 0.3789



74.4742, 0.3099, 0.3905



42.9880, 0.2980, 0.3543



10.0605, 0.3116, 0.3526



23.6271, 0.3000, 0.6000



0.8330, 0.3001, 0.5999

Inverse Universe

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



34.9767, 0.3148, 0.2837



58.8339, 0.3152, 0.2743



34.3355, 0.3306, 0.3050



9.1623, 0.3138, 0.3065



9.3946, 0.3207, 0.1540



0.3313, 0.3208, 0.1541

Previews

White Background



This preview shows how the Yxy color 42.4265, 0.3104, 0.3789 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 42.4265, 0.3104, 0.3789 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

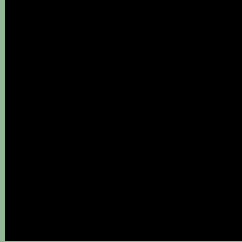
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.4265, 0.3104, 0.3789

Background



This preview shows how black text looks on a background with the Yxy color 42.4265, 0.3104, 0.3789.



This preview shows how white text looks on a background with the Yxy color 42.4265, 0.3104, 0.3789.

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

42.4265, 0.3104, 0.3789

Protanopia

42.0911, 0.3479, 0.3684

Deuteranopia

41.9102, 0.3558, 0.3486



Tritanopia

42.2738, 0.2845, 0.3097

Trichromacy



Original Color

42.4265, 0.3104, 0.3789

Protanomaly

42.1775, 0.3330, 0.3725

Deuteranomaly

41.8248, 0.3379, 0.3592

Tritanomaly

42.1471, 0.2932, 0.3332

Monochromacy



Original Color

42.4265, 0.3104, 0.3789

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

40.5621, 0.3119, 0.3461

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4265, 0.3104, 0.3789 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(149, 183, 149)` looks like.

```
.text, #text, p{  
    color:rgb(149, 183, 149)  
}
```

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(149, 183, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 183, 149) }
```

Border

The CSS property to change the border of an element to Yxy 42.4265, 0.3104, 0.3789 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(149, 183, 149) }
```

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

```
.border{ border-color:rgb(149, 183, 149) }
```

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

Here you see how a box with a 4 pixel rgb(149, 183, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 183, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 183, 149);  
box-shadow:4px 4px 4px 4px rgb(149, 183,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4265, 0.3104, 0.3789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 183, 149) }
```

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

```
.background{ background-color: rgb(149,  
183, 149) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor