

Converting Colors

$Yxy(49.0414, 0.3069, 0.4304)$

Have a look what the booklet for
Yxy(49.0414, 0.3069, 0.4304)
contains.

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Color

Yxy(48.8400, 0.3073, 0.4303)

Conversions

Conversions Part 1

Format	Color
Hex	84CA85
RGB	132, 202, 133
RGB Percent	52%, 79%, 52%
CMY	0.4821, 0.2079, 0.4784
CMYK	0.35, 0.00, 0.34, 0.21
HSL	121°, 40%, 66%
HSV	121°, 35%, 79%
XYZ	34.8792, 48.8400, 29.7830
YIQ	173.2040, -19.5710, -36.2990

Conversions

Conversions Part 2

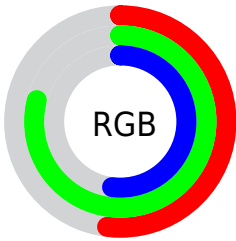
Format	Color
RYB	132, 201, 202
Decimal	8702597
CIELab	75.35, -35.79, 27.68
CIELCh	75, 45.240, 142.284
Yxy	48.8400, 0.3073, 0.4303
Android (android.graphics.Color)	4286892677 (0xFF84CA85)
YUV	173.2040, -19.8206, -36.1359
Hunter-Lab	69.8856, -33.2122, 23.6525

Details

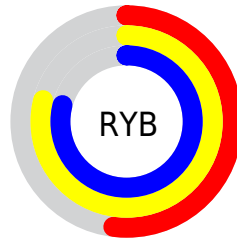
The Yxy color **48.8400, 0.3073, 0.4303** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **33.2981, 0.3176, 0.2450**, and the grayscale version is **42.0188, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6727, 0.3091, 0.4060**, and **23.1542, 0.3030, 0.4610** is the 20% darker color. If you saturate the color by 10%, you get **46.8674, 0.3055, 0.4654**, and if you desaturate by 10%, it is **51.2365, 0.3090, 0.3972**.

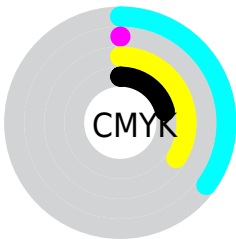
Distribution



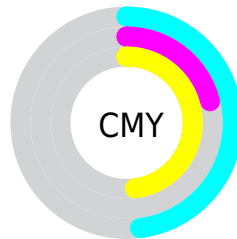
- Red (52%)
- Green (79%)
- Blue (52%)



- Red (52%)
- Yellow (79%)
- Blue (79%)



- Cyan (35%)
- Magenta (0%)
- Yellow (34%)
- Black (21%)




- Cyan (48%)
- Magenta (21%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.8400, 0.3073, 0.4303 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 48.8400, 0.3073, 0.4303 by changing the saturation by 10% instead.

 48.8400, 0.3073,
0.4303


 48.8400, 0.3073,
0.4303

382.1121, 0.3116,
0.3773


 34.4926, 0.3057,
0.4442


 88.4538, 0.3093,
0.4105

 23.2723, 0.3032,
0.4624


 114.4889, 0.3099,
0.4033

 14.7947, 0.2993,
0.4872


 145.1887, 0.3103,
0.3972

 8.6754, 0.2926,
0.5226

180.9377, 0.3107,
0.3920

 4.5301, 0.2797,
0.5765

222.1201, 0.3110,
0.3875

 1.9743, 0.2731,
0.7269

269.1203, 0.3112,

 0.5925, 0.0000,

0.3837

1.0000

322.3229, 0.3114,
0.3803


 0.0000, 0.0000,
0.0000


 48.8400, 0.3073,
0.4303


 48.8400, 0.3073,
0.4303

 46.8674, 0.3055,
0.4654


 51.2365, 0.3090,
0.3972


 45.2884, 0.3038,
0.5007


 54.0731, 0.3106,
0.3670


 44.0784, 0.3023,
0.5338


 57.3724, 0.3121,
0.3402

 43.2075, 0.3011,
0.5620


 61.1539, 0.3134,
0.3168


 42.6410, 0.3003,
0.5830

 65.4357, 0.3146,
0.2966

 42.3371, 0.3000,
0.5954

 70.2354, 0.3156,
0.2792

 42.2425, 0.2998,
0.5992

 70.7166, 0.3151,
0.2772

Harmonies

Analogous

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



48.8400, 0.3675, 0.4420



48.8400, 0.3073, 0.4303



48.8400, 0.2516, 0.3804

Triad

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



48.8400, 0.3073, 0.4303



48.8400, 0.2152, 0.2372



48.8400, 0.4209, 0.3271

Complementary

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



48.8400, 0.3073, 0.4303



33.2981, 0.3176, 0.2450

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.



48.8400, 0.3718, 0.2830



48.8400, 0.3073, 0.4303



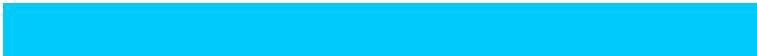
48.8400, 0.2519, 0.2332

Square

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



48.8400, 0.3073, 0.4303



48.8400, 0.2023, 0.2648



48.8400, 0.3082, 0.2498



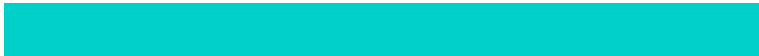
48.8400, 0.4368, 0.3748

Rectangle

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



48.8400, 0.3073, 0.4303



48.8400, 0.2242, 0.3372



48.8400, 0.3082, 0.2498



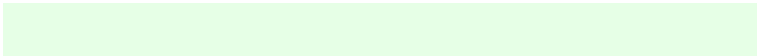
48.8400, 0.4076, 0.3116

Sweetspot

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



48.8421, 0.3073, 0.4303



93.9647, 0.3113, 0.3546



56.4598, 0.3644, 0.4144



19.9450, 0.3111, 0.3585



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.



48.8421, 0.3073, 0.4303



79.9872, 0.3059, 0.4581



49.9395, 0.2855, 0.3789



12.5394, 0.3114, 0.3526



27.1865, 0.2997, 0.5990



1.4034, 0.2988, 0.5957

Inverse Universe

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



33.2981, 0.3176, 0.2450



49.5364, 0.3187, 0.2267



31.8697, 0.3532, 0.2843



11.4011, 0.3140, 0.3065



10.7434, 0.3243, 0.1560



0.5551, 0.3236, 0.1556

Previews

White Background



This preview shows how the Yxy color 48.8400, 0.3073, 0.4303 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 48.8400, 0.3073, 0.4303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

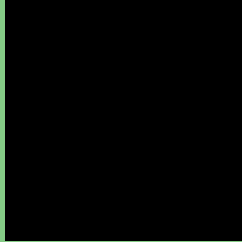
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.8400, 0.3073, 0.4303

Background



This preview shows how black text looks on a background with the Yxy color 48.8400, 0.3073, 0.4303.



This preview shows how white text looks on a background with the Yxy color 48.8400, 0.3073, 0.4303.

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

48.8400, 0.3073, 0.4303

Protanopia

48.4836, 0.3740, 0.4035

Deuteranopia

48.2138, 0.3832, 0.3748



Tritanopia

48.8050, 0.2678, 0.3089

Trichromacy



Original Color

48.8400, 0.3073, 0.4303

Protanomaly

47.9605, 0.3468, 0.4130

Deuteranomaly

47.4887, 0.3528, 0.3936

Tritanomaly

48.4788, 0.2819, 0.3499

Monochromacy



Original Color

48.8400, 0.3073, 0.4303

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

44.0187, 0.3110, 0.3659

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.8400, 0.3073, 0.4303 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(132, 202, 133)` looks like.

```
.text, #text, p{  
    color:rgb(132, 202, 133)  
}
```

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(132, 202, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 202, 133) }
```

Border

The CSS property to change the border of an element to Yxy 48.8400, 0.3073, 0.4303 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(132, 202, 133) }
```

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

```
.border{ border-color:rgb(132, 202, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 202, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 202, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 202, 133);  
box-shadow:4px 4px 4px 4px rgb(132, 202,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 48.8400, 0.3073, 0.4303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 202, 133) }
```

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

```
.background{ background-color: rgb(132,  
202, 133) }
```

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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