

Converting Colors

$Y_{xy}(49.0039, 0.2968, 0.4039)$

Have a look what the booklet for
Yxy(49.0039, 0.2968, 0.4039)
contains.

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Color

Yxy(48.8808, 0.2963, 0.4034)

Conversions

Conversions Part 1

Format	Color
Hex	84C996
RGB	132, 201, 150
RGB Percent	52%, 79%, 59%
CMY	0.4824, 0.2117, 0.4118
CMYK	0.34, 0.00, 0.25, 0.21
HSL	136°, 39%, 65%
HSV	136°, 34%, 79%
XYZ	35.9033, 48.8808, 36.3880
YIQ	174.5550, -24.7530, -30.4890

Conversions

Conversions Part 2

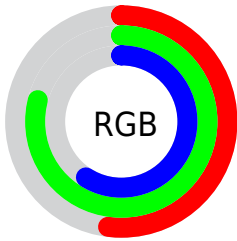
Format	Color
RYB	132, 187, 201
Decimal	8702358
CIELab	75.38, -32.43, 18.76
CIELCh	75, 37.461, 149.956
Yxy	48.8808, 0.2963, 0.4034
Android (android.graphics.Color)	4286892438 (0xFF84C996)
YUV	174.5550, -12.1056, -37.3207
Hunter-Lab	69.9148, -30.6860, 18.0822

Details

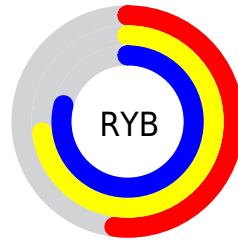
The Yxy color **48.8808, 0.2963, 0.4034** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **32.3345, 0.3348, 0.2648**, and the grayscale version is **42.6988, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4444, 0.3000, 0.3861**, and **23.4306, 0.2902, 0.4273** is the 20% darker color. If you saturate the color by 10%, you get **46.9671, 0.2923, 0.4299**, and if you desaturate by 10%, it is **51.1715, 0.3008, 0.3789**.

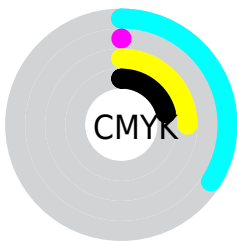
Distribution



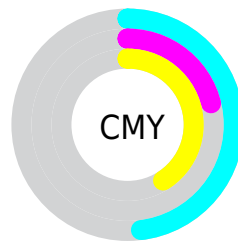
- Red (52%)
- Green (79%)
- Blue (59%)



- Red (52%)
- Yellow (73%)
- Blue (79%)



- Cyan (34%)
- Magenta (0%)
- Yellow (25%)
- Black (21%)





- Cyan (48%)
- Magenta (21%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.8808, 0.2963, 0.4034 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 48.8808, 0.2963, 0.4034 by changing the saturation by 10% instead.


 48.8808, 0.2963,
0.4034


 48.8808, 0.2963,
0.4034


382.2729, 0.3053,
0.3648

 34.5249, 0.2938,
0.4135


 88.5144, 0.2998,
0.3890

 23.2972, 0.2904,
0.4267


 114.5609, 0.3010,
0.3837

 14.8131, 0.2855,
0.4447


 145.2731, 0.3021,
0.3793

 8.6883, 0.2782,
0.4707

181.0353, 0.3029,
0.3755

 4.5384, 0.2661,
0.5111

222.2320, 0.3037,
0.3723

 1.9791, 0.2469,
0.5912

269.2476, 0.3043,

 0.5953, 0.0000,

0.3694

1.0000

322.4664, 0.3048,
0.3670

■ 0.0000, 0.0000,
0.0000

■ 48.8808, 0.2963,
0.4034

■ 48.8808, 0.2963,
0.4034

■ 46.9671, 0.2923,
0.4299

■ 51.1715, 0.3008,
0.3789

■ 45.4040, 0.2892,
0.4577

■ 53.8517, 0.3057,
0.3567

■ 44.1712, 0.2872,
0.4859


■ 56.9410, 0.3106,
0.3369

■ 43.2440, 0.2866,
0.5132


■ 60.4556, 0.3155,
0.3194


■ 42.5939, 0.2875,
0.5381

■ 64.4111, 0.3202,
0.3041

 42.1865, 0.2899,
0.5592

 68.8221, 0.3247,
0.2908

 42.0295, 0.2915,
0.5693

 70.1929, 0.3159,
0.2771

 70.2577, 0.3152,
0.2762

Harmonies

Analogous

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



48.8808, 0.3471, 0.4226



48.8808, 0.2963, 0.4034



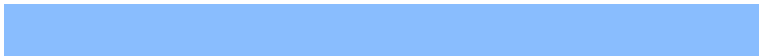
48.8808, 0.2522, 0.3581

Triad

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



48.8808, 0.2963, 0.4034



48.8808, 0.2367, 0.2491



48.8808, 0.4085, 0.3389

Complementary

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



48.8808, 0.2963, 0.4034



32.3345, 0.3348, 0.2648

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.



48.8808, 0.3740, 0.2996



48.8808, 0.2963, 0.4034



48.8808, 0.2729, 0.2499

Square

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



48.8808, 0.2963, 0.4034



48.8808, 0.2201, 0.2681



48.8808, 0.3230, 0.2680



48.8808, 0.4142, 0.3790

Rectangle

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



48.8808, 0.2963, 0.4034



48.8808, 0.2320, 0.3232



48.8808, 0.3230, 0.2680



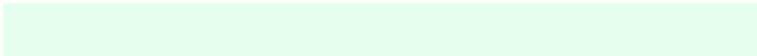
48.8808, 0.3998, 0.3254

Sweetspot

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



48.8828, 0.2963, 0.4034



94.3253, 0.3077, 0.3481



53.6027, 0.3492, 0.4182



20.0315, 0.3070, 0.3509



0.0000, 0.0000, 0.0000



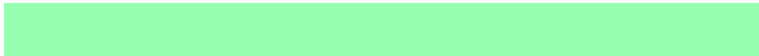
21.4041, 0.3127, 0.3290

Same Dimension

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



48.8828, 0.2963, 0.4034



81.2498, 0.2934, 0.4224



50.1317, 0.2749, 0.3531



11.9325, 0.3081, 0.3465



26.4367, 0.2908, 0.5670



1.2641, 0.2789, 0.5239

Inverse Universe

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



32.3345, 0.3348, 0.2648



48.8033, 0.3409, 0.2514



31.0928, 0.3725, 0.3066



10.7676, 0.3177, 0.3121



9.1793, 0.3993, 0.1973



0.4460, 0.3795, 0.1864

Previews

White Background



This preview shows how the Yxy color 48.8808, 0.2963, 0.4034 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 48.8808, 0.2963, 0.4034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

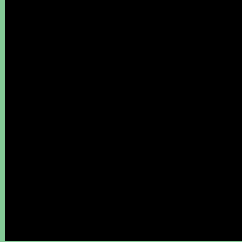
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.8808, 0.2963, 0.4034

Background



This preview shows how black text looks on a background with the Yxy color 48.8808, 0.2963, 0.4034.



This preview shows how white text looks on a background with the Yxy color 48.8808, 0.2963, 0.4034.

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

48.8808, 0.2963, 0.4034

Protanopia

48.5212, 0.3582, 0.3840

Deuteranopia

48.3535, 0.3640, 0.3572



Tritanopia

48.6727, 0.2659, 0.3076

Trichromacy



Original Color

48.8808, 0.2963, 0.4034

Protanomaly

48.1902, 0.3329, 0.3915

Deuteranomaly

47.6081, 0.3372, 0.3727

Tritanomaly

48.6861, 0.2768, 0.3400

Monochromacy



Original Color

48.8808, 0.2963, 0.4034

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

44.4051, 0.3057, 0.3542

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.8808, 0.2963, 0.4034 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, 201, 150)` looks like.

```
.text, #text, p{  
    color:rgb(132, 201, 150)  
}
```

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, 201, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 201, 150) }
```

Border

The CSS property to change the border of an element to Yxy 48.8808, 0.2963, 0.4034 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, 201, 150) }
```

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

```
.border{ border-color:rgb(132, 201, 150) }
```

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

Here you see how a box with a 4 pixel rgb(132, 201, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 201, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 201, 150);  
box-shadow:4px 4px 4px 4px rgb(132, 201,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 48.8808, 0.2963, 0.4034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 201, 150) }
```

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

```
.background{ background-color: rgb(132,  
201, 150) }
```

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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