

Converting Colors

$Y_{xy}(48.9744, 0.2924, 0.3793)$

Have a look what the booklet for
Yxy(48.9744, 0.2924, 0.3793)
contains.

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Color

Yxy(49.0162, 0.2919, 0.3789)

Conversions

Conversions Part 1

Format	Color
Hex	8BC7A4
RGB	139, 199, 164
RGB Percent	55%, 78%, 64%
CMY	0.4552, 0.2195, 0.3569
CMYK	0.30, 0.00, 0.18, 0.22
HSL	145°, 35%, 66%
HSV	145°, 30%, 78%
XYZ	37.7615, 49.0162, 42.5868
YIQ	177.0700, -24.5250, -23.6050

Conversions

Conversions Part 2

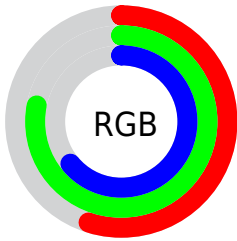
Format	Color
RYB	139, 181, 199
Decimal	9160612
CIELab	75.46, -26.66, 11.43
CIELCh	75, 29.007, 156.796
Yxy	49.0162, 0.2919, 0.3789
Android (android.graphics.Color)	4287350692 (0xFF8BC7A4)
YUV	177.0700, -6.4435, -33.3874
Hunter-Lab	70.0116, -26.2444, 12.9431

Details

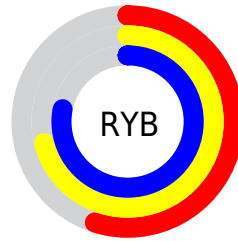
The Yxy color **49.0162, 0.2919, 0.3789** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **33.6429, 0.3412, 0.2840**, and the grayscale version is **44.0420, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.1038, 0.2960, 0.3683**, and **23.4469, 0.2859, 0.3948** is the 20% darker color. If you saturate the color by 10%, you get **47.0591, 0.2860, 0.3989**, and if you desaturate by 10%, it is **51.3274, 0.2985, 0.3606**.

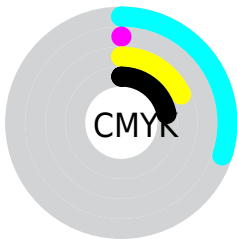
Distribution



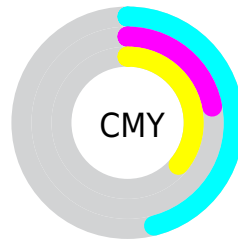
- Red (55%)
- Green (78%)
- Blue (64%)



- Red (55%)
- Yellow (71%)
- Blue (78%)



- Cyan (30%)
- Magenta (0%)
- Yellow (18%)
- Black (22%)



- Cyan (46%)
- Magenta (22%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.0162, 0.2919, 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 49.0162, 0.2919, 0.3789 by changing the saturation by 10% instead.

■ 49.0162, 0.2919,
0.3789

■ 49.0162, 0.2919,
0.3789

■ 382.8061, 0.3026,
0.3533

■ 34.6323, 0.2891,
0.3855

■ 88.7155, 0.2959,
0.3694

■ 23.3798, 0.2855,
0.3941

■ 114.7997, 0.2973,
0.3659

■ 14.8742, 0.2805,
0.4057

■ 145.5529, 0.2986,
0.3630

■ 8.7311, 0.2734,
0.4224

■ 181.3593, 0.2996,
0.3605

■ 4.5662, 0.2624,
0.4482

■ 222.6035, 0.3005,
0.3583

■ 1.9951, 0.2430,
0.4930

■ 269.6697, 0.3013,

■ 0.6046, 0.0000,

0.3564

1.0000

322.9425, 0.3020,
0.3548

0.0000, 0.0000,
0.0000

49.0162, 0.2919,
0.3789

49.0162, 0.2919,
0.3789

47.0591, 0.2860,
0.3989

51.3274, 0.2985,
0.3606

45.4319, 0.2810,
0.4203

54.0033, 0.3055,
0.3440

44.1173, 0.2774,
0.4427

57.0614, 0.3126,
0.3293

43.0934, 0.2754,
0.4655

60.5164, 0.3197,
0.3162

42.3354, 0.2753,
0.4880

64.3821, 0.3266,
0.3047

■ 41.8144, 0.2770,
0.5092

■ 68.0331, 0.3308,
0.2943

■ 41.4803, 0.2801,
0.5284

■ 68.7204, 0.3223,
0.2833

■ 69.3357, 0.3153,
0.2742

Harmonies

Analogous

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



49.0162, 0.3314, 0.3991



49.0162, 0.2919, 0.3789



49.0162, 0.2594, 0.3426

Triad

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



49.0162, 0.2919, 0.3789



49.0162, 0.2583, 0.2648



49.0162, 0.3897, 0.3453

Complementary

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



49.0162, 0.2919, 0.3789



33.6429, 0.3412, 0.2840

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.



49.0162, 0.3677, 0.3131



49.0162, 0.2919, 0.3789



49.0162, 0.2903, 0.2684

Square

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



49.0162, 0.2919, 0.3789



49.0162, 0.2411, 0.2770



49.0162, 0.3305, 0.2857



49.0162, 0.3893, 0.3759

Rectangle

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



49.0162, 0.2919, 0.3789



49.0162, 0.2455, 0.3167



49.0162, 0.3305, 0.2857



49.0162, 0.3847, 0.3344

Sweetspot

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



49.0182, 0.2919, 0.3789



95.0723, 0.3062, 0.3424



51.7140, 0.3365, 0.4092



20.1902, 0.3052, 0.3447



0.0000, 0.0000, 0.0000



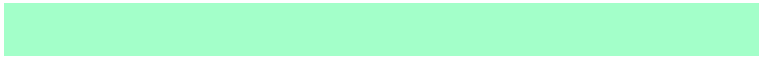
21.4041, 0.3127, 0.3290

Same Dimension

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



49.0182, 0.2919, 0.3789



83.5676, 0.2881, 0.3914



50.2339, 0.2727, 0.3357



11.9600, 0.3060, 0.3428



26.6836, 0.2794, 0.5258



1.2778, 0.2677, 0.4836

Inverse Universe

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



33.6429, 0.3412, 0.2840



52.5203, 0.3492, 0.2743



32.6002, 0.3741, 0.3226



10.7389, 0.3200, 0.3156



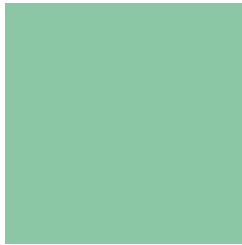
8.6363, 0.4595, 0.2305



0.4231, 0.4230, 0.2104

Previews

White Background



This preview shows how the Yxy color 49.0162, 0.2919, 0.3789 looks on a white background.

Color Contrast Check

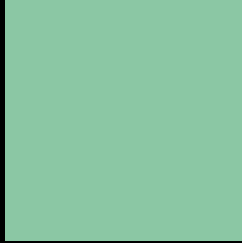
Large Text (above 18pt) WCAG AA × Fail

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 49.0162, 0.2919, 0.3789 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

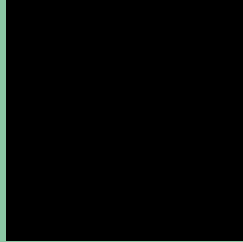
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.0162, 0.2919, 0.3789

Background



This preview shows how black text looks on a background with the Yxy color 49.0162, 0.2919, 0.3789.



This preview shows how white text looks on a background with the Yxy color 49.0162, 0.2919, 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

49.0162, 0.2919, 0.3789

Protanopia

48.7343, 0.3440, 0.3649

Deuteranopia

48.6227, 0.3486, 0.3426



Tritanopia

48.9899, 0.2691, 0.3090

Trichromacy



Original Color

49.0162, 0.2919, 0.3789

Protanomaly

48.4789, 0.3232, 0.3692

Deuteranomaly

48.0982, 0.3260, 0.3539

Tritanomaly

48.8557, 0.2775, 0.3330

Monochromacy



Original Color

49.0162, 0.2919, 0.3789

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

45.4630, 0.3044, 0.3469

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.0162, 0.2919, 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(139, 199, 164)` looks like.

```
.text, #text, p{  
    color:rgb(139, 199, 164)  
}
```

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(139, 199, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 199, 164) }
```

Border

The CSS property to change the border of an element to Yxy 49.0162, 0.2919, 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(139, 199, 164) }
```

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

```
.border{ border-color:rgb(139, 199, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 199, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 199, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 199, 164);  
box-shadow:4px 4px 4px 4px rgb(139, 199,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0162, 0.2919, 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(139, 199, 164) }
```

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

```
.background{ background-color: rgb(139,  
199, 164) }
```

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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