

# Converting Colors

$Yxy(48.9894, 0.2789, 0.3222)$

Have a look what the booklet for  
Yxy(48.9894, 0.2789, 0.3222)  
contains.

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# Color

**Yxy(48.9894, 0.2789, 0.3222)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99C1C6
RGB	153, 193, 198
RGB Percent	60%, 76%, 78%
CMY	0.3998, 0.2432, 0.2235
CMYK	0.23, 0.03, 0.00, 0.22
HSL	187°, 28%, 69%
HSV	187°, 23%, 78%
XYZ	42.4058, 48.9894, 60.6514
YIQ	181.6100, -25.4450, -6.9250

# Conversions

## Conversions Part 2

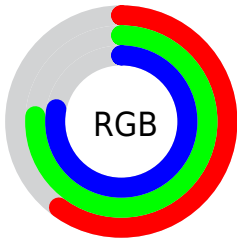
<b>Format</b>	<b>Color</b>
<b>RYB</b>	153, 174, 198
Decimal	10076614
CIELab	75.44, -12.10, -6.90
CIElCh	75, 13.925, 209.685
Yxy	48.9894, 0.2789, 0.3222
Android (android.graphics.Color)	4288266694 (0xFF99C1C6)
YUV	181.6100, 8.0803, -25.0910
Hunter-Lab	69.9924, -14.3403, -2.3826

# Details

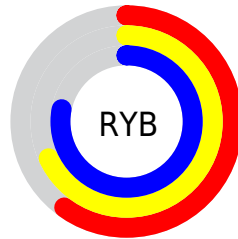
The Yxy color **48.9894, 0.2789, 0.3222** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.7802, 0.3573, 0.3357**, and the grayscale version is **46.5267, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3813, 0.2846, 0.3227**, and **23.2456, 0.2700, 0.3197** is the 20% darker color. If you saturate the color by 10%, you get **46.2524, 0.2653, 0.3188**, and if you desaturate by 10%, it is **52.0647, 0.2934, 0.3254**.

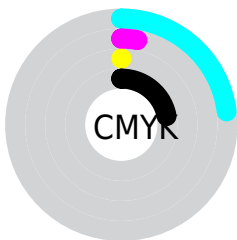
# Distribution



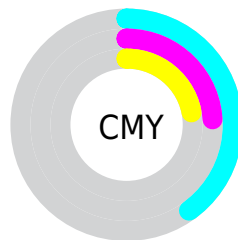
- Red (60%)
- Green (76%)
- Blue (78%)



- Red (60%)
- Yellow (68%)
- Blue (78%)



- Cyan (23%)
- Magenta (3%)
- Yellow (0%)
- Black (22%)




- Cyan (40%)
- Magenta (24%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.9894, 0.2789, 0.3222 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 48.9894, 0.2789, 0.3222 by changing the saturation by 10% instead.




 48.9894, 0.2789,  
0.3222


 48.9894, 0.2789,  
0.3222


382.7006, 0.2955,  
0.3258

 34.6111, 0.2748,  
0.3213

 88.6757, 0.2849,  
0.3235

 23.3634, 0.2697,  
0.3200


 114.7525, 0.2871,  
0.3240

 14.8621, 0.2629,  
0.3183


145.4975, 0.2890,  
0.3244

 8.7227, 0.2537,  
0.3158

181.2952, 0.2907,  
0.3248

 4.5607, 0.2402,  
0.3120

222.5300, 0.2921,  
0.3251

 1.9919, 0.2191,  
0.3051

269.5862, 0.2934,

 0.6028, 0.1368,

0.3254

0.2970

322.8483, 0.2945,  
0.3256

0.0000, 0.0000,  
0.0000

48.9894, 0.2789,  
0.3222

48.9894, 0.2789,  
0.3222

46.2524, 0.2653,  
0.3188

52.0647, 0.2934,  
0.3254

43.8319, 0.2529,  
0.3153

55.4871, 0.3085,  
0.3283

41.7127, 0.2421,  
0.3115

59.2723, 0.3240,  
0.3309

39.8760, 0.2329,  
0.3077

63.4335, 0.3396,  
0.3333

38.3008, 0.2256,  
0.3038

67.9829, 0.3550,  
0.3354

■ 36.9627, 0.2202,  
0.2999

■ 69.5964, 0.3568,  
0.3376

■ 35.8327, 0.2166,  
0.2961

■ 70.6686, 0.3564,  
0.3399

■ 35.1013, 0.2148,  
0.2933

■ 71.7557, 0.3559,  
0.3421

■ 72.8579, 0.3554,  
0.3443

# Harmonies

## Analogous

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



48.9894, 0.2902, 0.3401



48.9894, 0.2789, 0.3222



48.9894, 0.2764, 0.3069

# Triad

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



48.9894, 0.2789, 0.3222



48.9894, 0.3170, 0.3048



48.9894, 0.3426, 0.3602

# Complementary

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



48.9894, 0.2789, 0.3222



38.7802, 0.3573, 0.3357

# 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.



48.9894, 0.3504, 0.3496



48.9894, 0.2789, 0.3222



48.9894, 0.3354, 0.3179

# Square

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



48.9894, 0.2789, 0.3222



48.9894, 0.2979, 0.2976



48.9894, 0.3477, 0.3341



48.9894, 0.3268, 0.3625



# Rectangle

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



48.9894, 0.2789, 0.3222



48.9894, 0.2800, 0.3002



48.9894, 0.3477, 0.3341



48.9894, 0.3462, 0.3575

# Sweetspot

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



48.9914, 0.2789, 0.3222



95.5071, 0.3018, 0.3270



49.6210, 0.3066, 0.3855



20.3627, 0.3009, 0.3268



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.



48.9914, 0.2789, 0.3222



84.3974, 0.2724, 0.3206



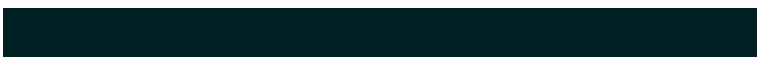
39.9899, 0.2766, 0.2918



11.8578, 0.2984, 0.3264



22.9034, 0.2150, 0.2939



1.1435, 0.2172, 0.3018



# Inverse Universe

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



38.6525, 0.3199, 0.2790



63.1764, 0.3216, 0.2685



46.9592, 0.3513, 0.3636



10.7955, 0.3154, 0.3087



9.8521, 0.3509, 0.1707



0.4725, 0.3438, 0.1668



# Previews

## White Background



This preview shows how the Yxy color 48.9894, 0.2789, 0.3222 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

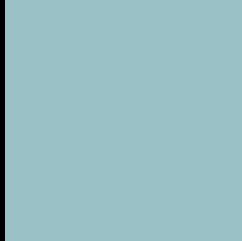
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.9894, 0.2789, 0.3222 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

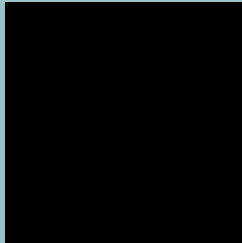
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

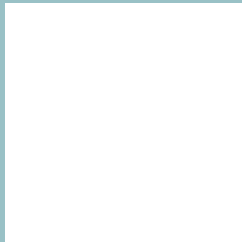
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.9894, 0.2789, 0.3222**

## Background



This preview shows how black text looks on a background with the Yxy color 48.9894, 0.2789, 0.3222.



This preview shows how white text looks on a background with the Yxy color 48.9894, 0.2789, 0.3222.

# 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

48.9894, 0.2789, 0.3222

### Protanopia

48.5703, 0.3074, 0.3176

### Deuteranopia

48.5953, 0.3097, 0.3033



## Tritanopia

49.1728, 0.2744, 0.3092

# Trichromacy



## Original Color

48.9894, 0.2789, 0.3222

## Protanomaly

48.4794, 0.2962, 0.3186

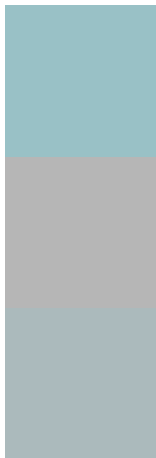
## Deuteranomaly

48.5714, 0.2973, 0.3099

## Tritanomaly

48.9289, 0.2756, 0.3130

# Monochromacy



## Original Color

48.9894, 0.2789, 0.3222

## Achromatopsia

46.7784, 0.3127, 0.3290

## Achromatomaly

47.4066, 0.2990, 0.3263

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.9894, 0.2789, 0.3222 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(153, 193, 198)` looks like.

```
.text, #text, p{  
    color:rgb(153, 193, 198)  
}
```

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(153, 193, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 193, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 48.9894, 0.2789, 0.3222 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(153, 193, 198) }
```

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

```
.border{ border-color:rgb(153, 193, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 193, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 193, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 193, 198);  
box-shadow:4px 4px 4px 4px rgb(153, 193,  
198) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.9894, 0.2789, 0.3222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 193, 198) }
```

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

```
.background{ background-color: rgb(153,  
193, 198) }
```

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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