

# Converting Colors

$Yxy(49.9581, 0.2694, 0.3288)$

Have a look what the booklet for  
Yxy(49.9581, 0.2694, 0.3288)  
contains.

<b>Yxy(49.8687, 0.2695, 0.3289)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(49.8687, 0.2695, 0.3289)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8AC6C6
RGB	138, 198, 198
RGB Percent	54%, 78%, 78%
CMY	0.4590, 0.2235, 0.2236
CMYK	0.30, 0.00, 0.00, 0.22
HSL	180°, 35%, 66%
HSV	180°, 30%, 78%
XYZ	40.8623, 49.8687, 60.8917
YIQ	180.0600, -35.7600, -12.7200

# Conversions

## Conversions Part 2

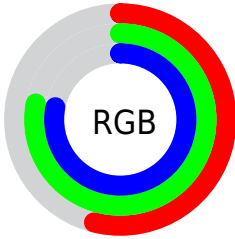
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	138, 168, 198
Decimal	9094854
CIE <sub>Lab</sub>	75.99, -19.13, -6.18
CIE <sub>LCh</sub>	76, 20.107, 197.887
Yxy	49.8687, 0.2695, 0.3289
Android (android.graphics.Color)	4287284934 (0xFF8AC6C6)
YUV	180.0600, 8.8444, -36.8866
Hunter-Lab	70.6178, -20.2938, -1.6916

# Details

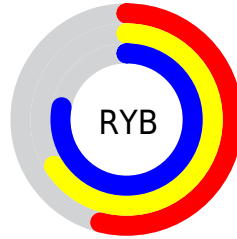
The Yxy color **49.8687, 0.2695, 0.3289** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **32.0078, 0.3801, 0.3292**, and the grayscale version is **45.6382, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0775, 0.2768, 0.3289**, and **23.8914, 0.2581, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **48.3332, 0.2578, 0.3289**, and if you desaturate by 10%, it is **51.7161, 0.2827, 0.3289**.

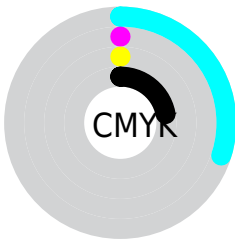
# Distribution



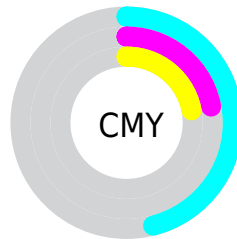
- Red (54%)
- Green (78%)
- Blue (78%)



- Red (54%)
- Yellow (66%)
- Blue (78%)



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




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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.8687, 0.2695, 0.3289 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 49.8687, 0.2695, 0.3289 by changing the saturation by 10% instead.





 49.8687, 0.2695,  
0.3289


 49.8687, 0.2695,  
0.3289


386.1523, 0.2906,  
0.3293


 35.3091, 0.2644,  
0.3287


 89.9803, 0.2771,  
0.3291

 23.9011, 0.2579,  
0.3284


 116.3011, 0.2799,  
0.3292

 15.2602, 0.2494,  
0.3280


 147.3110, 0.2824,  
0.3292

 9.0022, 0.2379,  
0.3271

183.3946, 0.2845,  
0.3292

 4.7426, 0.2213,  
0.3256

224.9361, 0.2863,  
0.3292

 2.0971, 0.1956,  
0.3221

272.3199, 0.2879,

 0.6630, 0.0818,

0.3293

0.3328

325.9305, 0.2893,  
0.3293

0.0000, 0.0000,  
0.0000

49.8687, 0.2695,  
0.3289

49.8687, 0.2695,  
0.3289

48.3332, 0.2578,  
0.3289

51.7161, 0.2827,  
0.3289

47.0867, 0.2477,  
0.3289

53.8848, 0.2970,  
0.3290

46.1131, 0.2394,  
0.3288

56.3914, 0.3122,  
0.3290

45.3918, 0.2331,  
0.3288


59.2493, 0.3280,  
0.3290


44.8995, 0.2287,  
0.3288

62.4713, 0.3440,  
0.3291

 44.6087, 0.2260,  
0.3288

 65.7327, 0.3587,  
0.3291

 44.4684, 0.2247,  
0.3289

 65.7330, 0.3587,  
0.3291

 65.7334, 0.3587,  
0.3291

 65.7337, 0.3586,  
0.3291

# Harmonies

## Analogous

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



49.8687, 0.2893, 0.3546



49.8687, 0.2695, 0.3289



49.8687, 0.2610, 0.3046

# Triad

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



49.8687, 0.2695, 0.3289



49.8687, 0.3075, 0.2896



49.8687, 0.3616, 0.3686

# Complementary

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



49.8687, 0.2695, 0.3289



32.0078, 0.3801, 0.3292

# 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.



49.8687, 0.3674, 0.3496



49.8687, 0.2695, 0.3289



49.8687, 0.3354, 0.3052

# Square

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



49.8687, 0.2695, 0.3289



49.8687, 0.2822, 0.2835



49.8687, 0.3576, 0.3267



49.8687, 0.3425, 0.3778



# Rectangle

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



49.8687, 0.2695, 0.3289



49.8687, 0.2626, 0.2927



49.8687, 0.3576, 0.3267



49.8687, 0.3652, 0.3631

# Sweetspot

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



49.8707, 0.2695, 0.3289



95.9036, 0.2988, 0.3290



47.7135, 0.3093, 0.4167



20.3958, 0.2966, 0.3290



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.



49.8707, 0.2695, 0.3289



86.5455, 0.2620, 0.3289



37.8492, 0.2648, 0.2876



12.0675, 0.2984, 0.3290



28.9149, 0.2247, 0.3288



1.3691, 0.2247, 0.3288



# Inverse Universe

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



32.0078, 0.3801, 0.3292



50.1782, 0.4003, 0.3292



41.4737, 0.3689, 0.3670



10.6370, 0.3289, 0.3290



7.8078, 0.6400, 0.3299

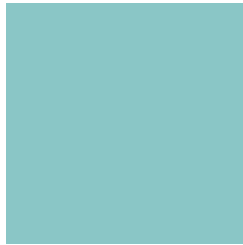


0.3697, 0.6399, 0.3299



# Previews

## White Background



This preview shows how the Yxy color 49.8687, 0.2695, 0.3289 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

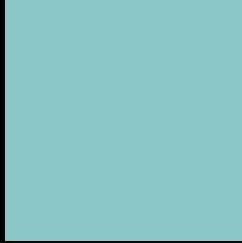
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.8687, 0.2695, 0.3289 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

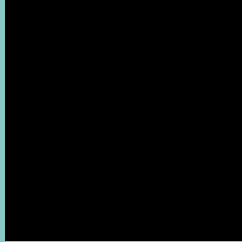
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

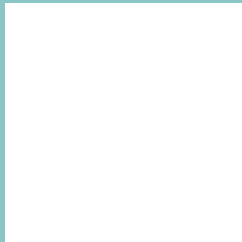
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 49.8687, 0.2695, 0.3289**

## **Background**



This preview shows how black text looks on a background with the Yxy color 49.8687, 0.2695, 0.3289.



This preview shows how white text looks on a background with the Yxy color 49.8687, 0.2695, 0.3289.

# 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

49.8687, 0.2695, 0.3289

### Protanopia

49.6982, 0.3114, 0.3227

### Deuteranopia

49.2706, 0.3113, 0.3046



## Tritanopia

49.8960, 0.2627, 0.3077

# Trichromacy



**Original Color**

49.8687, 0.2695, 0.3289

**Protanomaly**

49.2680, 0.2939, 0.3237

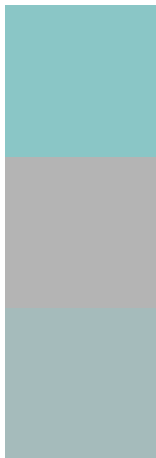
**Deuteranomaly**

48.9409, 0.2942, 0.3123

**Tritanomaly**

50.0129, 0.2652, 0.3155

# Monochromacy



**Original Color**

49.8687, 0.2695, 0.3289

**Achromatopsia**

45.6411, 0.3127, 0.3290

**Achromatomaly**

47.1278, 0.2950, 0.3289

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.8687, 0.2695, 0.3289 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(138, 198, 198)` looks like.

```
.text, #text, p{  
    color:rgb(138, 198, 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(138, 198, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 198, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 49.8687, 0.2695, 0.3289 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(138, 198, 198) }
```

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

```
.border{ border-color:rgb(138, 198, 198) }
```

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

Here you see how a box with a 4 pixel rgb(138, 198, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 198, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 198, 198);  
box-shadow:4px 4px 4px 4px rgb(138, 198,  
198) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.8687, 0.2695, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 198, 198) }
```

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

```
.background{ background-color: rgb(138,  
198, 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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