

# Converting Colors

$Yxy(44.8396, 0.2700, 0.3289)$

Have a look what the booklet for  
Yxy(44.8396, 0.2700, 0.3289)  
contains.

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# Color

**Yxy(44.9748, 0.2698, 0.3289)**

# Conversions

## Conversions Part 1

Format	Color
Hex	84BDBD
RGB	132, 189, 189
RGB Percent	52%, 74%, 74%
CMY	0.4825, 0.2588, 0.2589
CMYK	0.30, 0.00, 0.00, 0.26
HSL	180°, 30%, 63%
HSV	180°, 30%, 74%
XYZ	36.8933, 44.9748, 54.8750
YIQ	171.9570, -33.9720, -12.0840

# Conversions

## Conversions Part 2

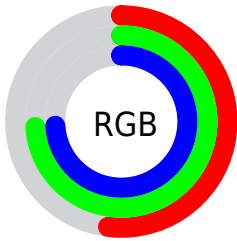
<b>Format</b>	<b>Color</b>
<b>RYB</b>	132, 161, 189
Decimal	8699325
CIELab	72.88, -18.35, -5.93
CIELCh	73, 19.285, 197.899
Yxy	44.9748, 0.2698, 0.3289
Android (android.graphics.Color)	4286889405 (0xFF84BDBD)
YUV	171.9570, 8.4022, -35.0423
Hunter-Lab	67.0633, -19.1631, -1.5702

# Details

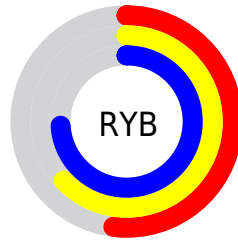
The Yxy color **44.9748, 0.2698, 0.3289** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **28.9786, 0.3794, 0.3292**, and the grayscale version is **41.1985, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4622, 0.2777, 0.3289**, and **21.0914, 0.2581, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **43.5886, 0.2581, 0.3289**, and if you desaturate by 10%, it is **46.6407, 0.2830, 0.3289**.

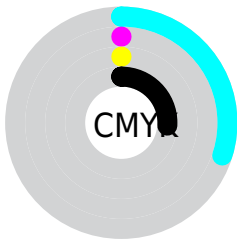
# Distribution



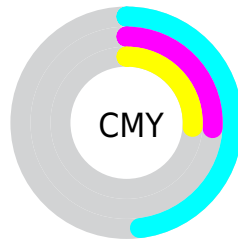
- Red (52%)
- Green (74%)
- Blue (74%)



- Red (52%)
- Yellow (63%)
- Blue (74%)



- Cyan (30%)
- Magenta (0%)
- Yellow (0%)
- Black (26%)




- Cyan (48%)
- Magenta (26%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.9748, 0.2698, 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 44.9748, 0.2698, 0.3289 by changing the saturation by 10% instead.





 44.9748, 0.2698,  
0.3289

 44.9748, 0.2698,  
0.3289

366.6715, 0.2911,  
0.3293

 31.4376, 0.2645,  
0.3287


 82.6826, 0.2775,  
0.3291

 20.9323, 0.2578,  
0.3284


 107.6220, 0.2804,  
0.3292

 13.0745, 0.2488,  
0.3279


 137.1308, 0.2829,  
0.3292

 7.4799, 0.2364,  
0.3270

171.5936, 0.2850,  
0.3292

 3.7640, 0.2182,  
0.3252

211.3946, 0.2868,  
0.3292

 1.5424, 0.1891,  
0.3210

256.9184, 0.2885,

 0.3183, 0.0000,

0.3293

0.2949

308.5492, 0.2899,  
0.3293

0.0000, 0.0000,  
0.0000

44.9748, 0.2698,  
0.3289

44.9748, 0.2698,  
0.3289

43.5886, 0.2581,  
0.3289

46.6407, 0.2830,  
0.3289

42.4616, 0.2480,  
0.3289

48.5946, 0.2973,  
0.3290

41.5795, 0.2397,  
0.3288

50.8512, 0.3124,  
0.3290

40.9239, 0.2333,  
0.3288

53.4226, 0.3282,  
0.3290

40.4743, 0.2288,  
0.3288

56.3203, 0.3442,  
0.3291

■ 40.2062, 0.2261,  
0.3288

■ 59.5550, 0.3602,  
0.3291

■ 40.0719, 0.2247,  
0.3288

■ 61.3360, 0.3683,  
0.3291

■ 61.3363, 0.3683,  
0.3291

■ 61.3366, 0.3683,  
0.3291

# Harmonies

## Analogous

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



44.9748, 0.2895, 0.3544



44.9748, 0.2698, 0.3289



44.9748, 0.2614, 0.3048

# Triad

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



44.9748, 0.2698, 0.3289



44.9748, 0.3076, 0.2899



44.9748, 0.3613, 0.3683

# Complementary

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



44.9748, 0.2698, 0.3289



28.9786, 0.3794, 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.



44.9748, 0.3670, 0.3495



44.9748, 0.2698, 0.3289



44.9748, 0.3352, 0.3053

# Square

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



44.9748, 0.2698, 0.3289



44.9748, 0.2824, 0.2838



44.9748, 0.3573, 0.3267



44.9748, 0.3423, 0.3774



# Rectangle

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



44.9748, 0.2698, 0.3289



44.9748, 0.2629, 0.2930



44.9748, 0.3573, 0.3267



44.9748, 0.3648, 0.3628

# Sweetspot

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



44.9766, 0.2698, 0.3289



87.4149, 0.2988, 0.3290



43.0448, 0.3094, 0.4159



18.6796, 0.2967, 0.3290



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

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



44.9766, 0.2698, 0.3289



78.8975, 0.2621, 0.3289



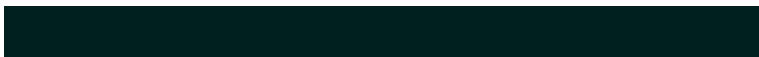
34.2206, 0.2652, 0.2880



10.8095, 0.2985, 0.3290



26.9580, 0.2247, 0.3288



1.0560, 0.2247, 0.3288



# Inverse Universe

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



28.9786, 0.3794, 0.3292



45.8038, 0.4000, 0.3292



37.4667, 0.3684, 0.3667



9.5364, 0.3288, 0.3290



7.2794, 0.6400, 0.3299

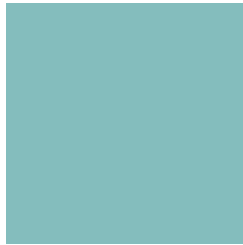


0.2852, 0.6398, 0.3298



# Previews

## White Background



This preview shows how the Yxy color 44.9748, 0.2698, 0.3289 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

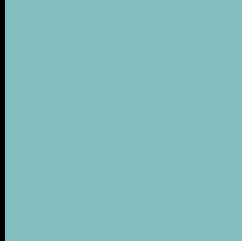
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.9748, 0.2698, 0.3289 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

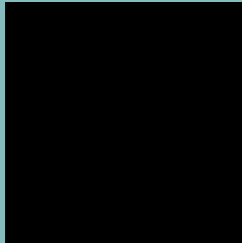
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

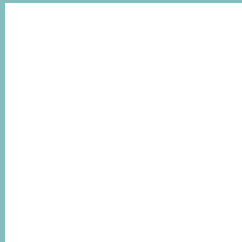
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 44.9748, 0.2698, 0.3289**

## Background



This preview shows how black text looks on a background with the Yxy color 44.9748, 0.2698, 0.3289.

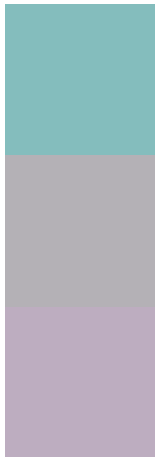


This preview shows how white text looks on a background with the Yxy color 44.9748, 0.2698, 0.3289.

# 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

44.9748, 0.2698, 0.3289

### Protanopia

44.5250, 0.3113, 0.3224

### Deuteranopia

44.5117, 0.3112, 0.3048



## Tritanopia

44.9558, 0.2633, 0.3081

# Trichromacy



## Original Color

44.9748, 0.2698, 0.3289

## Protanomaly

44.3371, 0.2947, 0.3235

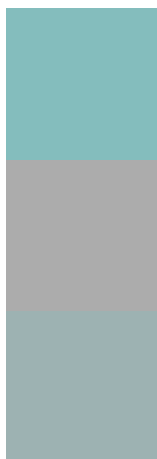
## Deuteranomaly

44.3266, 0.2942, 0.3129

## Tritanomaly

45.0660, 0.2659, 0.3163

# Monochromacy



## Original Color

44.9748, 0.2698, 0.3289

## Achromatopsia

41.2543, 0.3127, 0.3290

## Achromatomaly

42.2232, 0.2950, 0.3289

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.9748, 0.2698, 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(132, 189, 189)` looks like.

```
.text, #text, p{  
    color:rgb(132, 189, 189)  
}
```

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, 189, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 189, 189) }
```

## Border

The CSS property to change the border of an element to Yxy 44.9748, 0.2698, 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(132, 189, 189) }
```

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

```
.border{ border-color:rgb(132, 189, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 189, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(132, 189, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(132, 189, 189); box-shadow:4px 4px 4px 4px rgb(132, 189, 189) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.9748, 0.2698, 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(132, 189, 189) }
```

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

```
.background{ background-color: rgb(132,  
189, 189) }
```

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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