

# Converting Colors

$Yxy(44.4637, 0.2678, 0.3289)$

Have a look what the booklet for  
Yxy(44.4637, 0.2678, 0.3289)  
contains.

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# Color

**Yxy(44.6932, 0.2685, 0.3303)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81BDBC
RGB	129, 189, 188
RGB Percent	51%, 74%, 74%
CMY	0.4940, 0.2588, 0.2628
CMYK	0.32, 0.00, 0.01, 0.26
HSL	179°, 31%, 62%
HSV	179°, 32%, 74%
XYZ	36.3310, 44.6932, 54.2867
YIQ	170.9460, -35.4390, -13.0310

# Conversions

## Conversions Part 2

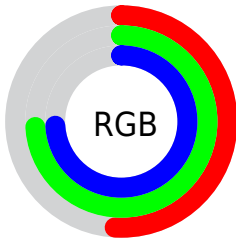
Format	Color
<a href="#">RYB</a>	<a href="#">129, 159, 189</a>
Decimal	<a href="#">8502716</a>
CIELab	<a href="#">72.69, -19.41, -5.68</a>
CIELCh	<a href="#">73, 20.226, 196.300</a>
Yxy	<a href="#">44.6932, 0.2685, 0.3303</a>
Android (android.graphics.Color)	<a href="#">4286692796 (0xFF81BDBC)</a>
YUV	<a href="#">170.9460, 8.4076, -36.7866</a>
Hunter-Lab	<a href="#">66.8530, -19.9876, -1.3483</a>

# Details

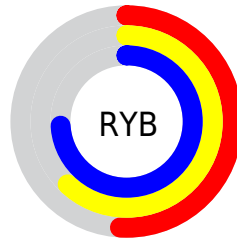
The Yxy color **44.6932, 0.2685, 0.3303** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **28.1402, 0.3829, 0.3278**, and the grayscale version is **40.6705, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0268, 0.2766, 0.3300**, and **20.8941, 0.2558, 0.3308** is the 20% darker color. If you saturate the color by 10%, you get **43.3352, 0.2571, 0.3308**, and if you desaturate by 10%, it is **46.3285, 0.2813, 0.3299**.

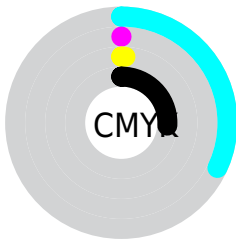
# Distribution



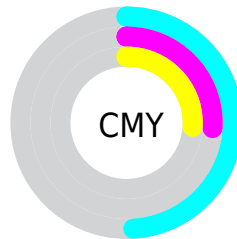
- Red (51%)
- Green (74%)
- Blue (74%)



- Red (51%)
- Yellow (62%)
- Blue (74%)



- Cyan (32%)
- Magenta (0%)
- Yellow (1%)
- Black (26%)




- Cyan (49%)
- Magenta (26%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.6932, 0.2685, 0.3303 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 44.6932, 0.2685, 0.3303 by changing the saturation by 10% instead.





 44.6932, 0.2685,  
0.3303


 44.6932, 0.2685,  
0.3303


365.5296, 0.2905,  
0.3300

 31.2158, 0.2630,  
0.3303


 82.2598, 0.2765,  
0.3303

 20.7633, 0.2561,  
0.3302


 107.1179, 0.2795,  
0.3302

 12.9511, 0.2468,  
0.3300


 136.5383, 0.2820,  
0.3302

 7.3949, 0.2340,  
0.3295

170.9055, 0.2842,  
0.3301

 3.7102, 0.2152,  
0.3282

210.6038, 0.2861,  
0.3301

 1.5128, 0.1850,  
0.3249

256.0177, 0.2877,

 0.2977, 0.0000,

0.3301

0.2922

307.5315, 0.2892,  
0.3300

0.0000, 0.0000,  
0.0000

44.6932, 0.2685,  
0.3303

44.6932, 0.2685,  
0.3303

43.3352, 0.2571,  
0.3308

46.3285, 0.2813,  
0.3299

42.2342, 0.2474,  
0.3313

48.2498, 0.2953,  
0.3294

41.3752, 0.2395,  
0.3318


50.4718, 0.3101,  
0.3291

40.7398, 0.2335,  
0.3323


53.0068, 0.3255,  
0.3287

40.3069, 0.2294,  
0.3329

55.8663, 0.3412,  
0.3284

 40.0512, 0.2271,  
0.3334

 59.0612, 0.3570,  
0.3282

 39.9332, 0.2261,  
0.3338

 61.3813, 0.3673,  
0.3279

 61.3952, 0.3670,  
0.3276

 61.4090, 0.3668,  
0.3272

# Harmonies

## Analogous

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



44.6932, 0.2897, 0.3570



44.6932, 0.2685, 0.3303



44.6932, 0.2590, 0.3047

# Triad

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



44.6932, 0.2685, 0.3303



44.6932, 0.3057, 0.2874



44.6932, 0.3644, 0.3694

# Complementary

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



44.6932, 0.2685, 0.3303



28.1402, 0.3829, 0.3278

# 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.



44.6932, 0.3696, 0.3492



44.6932, 0.2685, 0.3303



44.6932, 0.3349, 0.3031

# Square

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



44.6932, 0.2685, 0.3303



44.6932, 0.2797, 0.2815



44.6932, 0.3586, 0.3252



44.6932, 0.3451, 0.3798



# Rectangle

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



44.6932, 0.2685, 0.3303



44.6932, 0.2601, 0.2919



44.6932, 0.3586, 0.3252



44.6932, 0.3679, 0.3634

# Sweetspot

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



44.6950, 0.2685, 0.3303



87.0049, 0.2975, 0.3294



42.8082, 0.3099, 0.4209



18.5966, 0.2955, 0.3294



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.



44.6950, 0.2685, 0.3303



78.3237, 0.2605, 0.3306



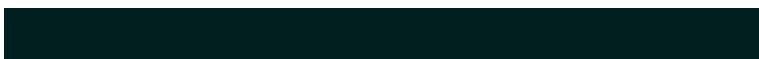
33.8384, 0.2629, 0.2871



10.8067, 0.2987, 0.3293



26.8699, 0.2260, 0.3337



1.0534, 0.2257, 0.3325



# Inverse Universe

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



28.1402, 0.3829, 0.3278



44.0711, 0.4055, 0.3276



36.5240, 0.3723, 0.3674



9.5389, 0.3286, 0.3287



7.2850, 0.6379, 0.3288

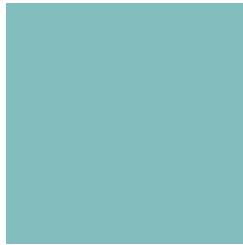


0.2863, 0.6297, 0.3243



# Previews

## White Background



This preview shows how the Yxy color 44.6932, 0.2685, 0.3303 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

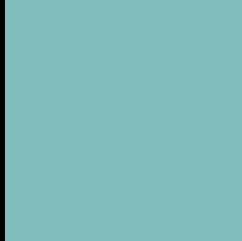
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.6932, 0.2685, 0.3303 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

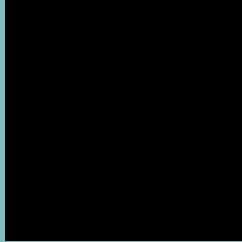
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.6932, 0.2685, 0.3303**

## Background



This preview shows how black text looks on a background with the Yxy color 44.6932, 0.2685, 0.3303.

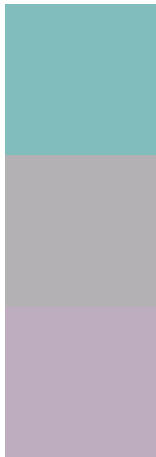


This preview shows how white text looks on a background with the Yxy color 44.6932, 0.2685, 0.3303.

# 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

44.6932, 0.2685, 0.3303

### Protanopia

44.4838, 0.3121, 0.3237

### Deuteranopia

44.4675, 0.3120, 0.3061



## Tritanopia

44.7104, 0.2614, 0.3080

# Trichromacy



## Original Color

44.6932, 0.2685, 0.3303

## Protanomaly

44.0855, 0.2938, 0.3248

## Deuteranomaly

44.1734, 0.2941, 0.3142

## Tritanomaly

44.8230, 0.2640, 0.3162

# Monochromacy



## Original Color

44.6932, 0.2685, 0.3303

## Achromatopsia

40.7240, 0.3127, 0.3290

## Achromatomaly

42.0830, 0.2949, 0.3304

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.6932, 0.2685, 0.3303 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(129, 189, 188)` looks like.

```
.text, #text, p{  
    color:rgb(129, 189, 188)  
}
```

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(129, 189, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 189, 188) }
```

## Border

The CSS property to change the border of an element to Yxy 44.6932, 0.2685, 0.3303 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(129, 189, 188) }
```

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

```
.border{ border-color:rgb(129, 189, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 189, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 189, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 189, 188); box-shadow:4px 4px 4px 4px rgb(129, 189, 188) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.6932, 0.2685, 0.3303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 189, 188) }
```

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

```
.background{ background-color: rgb(129,  
189, 188) }
```

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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