

# Converting Colors

$Yxy(43.1839, 0.2717, 0.3325)$

Have a look what the booklet for  
Yxy(43.1839, 0.2717, 0.3325)  
contains.

<b>Yxy(43.2825, 0.2719, 0.3332)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(43.2825, 0.2719, 0.3332)**

# Conversions

## Conversions Part 1

Format	Color
Hex	82BAB7
RGB	130, 186, 183
RGB Percent	51%, 73%, 72%
CMY	0.4899, 0.2706, 0.2823
CMYK	0.30, 0.00, 0.02, 0.27
HSL	177°, 29%, 62%
HSV	177°, 30%, 73%
XYZ	35.3197, 43.2825, 51.2973
YIQ	168.9140, -32.4130, -12.8050

# Conversions

## Conversions Part 2

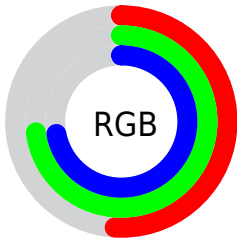
<b>Format</b>	<b>Color</b>
<b>RYB</b>	130, 159, 186
Decimal	8567479
CIELab	71.75, -18.75, -4.34
CIElCh	72, 19.242, 193.025
Yxy	43.2825, 0.2719, 0.3332
Android (android.graphics.Color)	4286757559 (0xFF82BAB7)
YUV	168.9140, 6.9444, -34.1276
Hunter-Lab	65.7894, -19.3022, -0.1770

# Details

The Yxy color **43.2825, 0.2719, 0.3332** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **28.1147, 0.3754, 0.3250**, and the grayscale version is **39.6156, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.0505, 0.2795, 0.3322**, and **20.0065, 0.2605, 0.3350** is the 20% darker color. If you saturate the color by 10%, you get **41.9020, 0.2606, 0.3348**, and if you desaturate by 10%, it is **44.9327, 0.2845, 0.3317**.

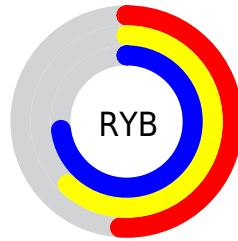
# Distribution



Red (51%)

Green (73%)

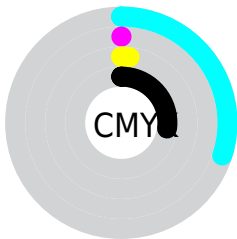
Blue (72%)



Red (51%)

Yellow (62%)

Blue (73%)

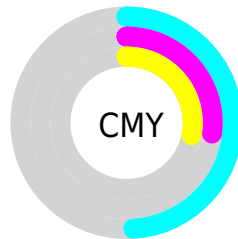


Cyan (30%)

Magenta (0%)

Yellow (2%)

Black (27%)



Cyan (49%)

Magenta (27%)


Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.2825, 0.2719, 0.3332 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 43.2825, 0.2719, 0.3332 by changing the saturation by 10% instead.





 43.2825, 0.2719,  
0.3332


 43.2825, 0.2719,  
0.3332

359.7723, 0.2924,  
0.3313


 30.1068, 0.2668,  
0.3336


 80.1370, 0.2793,  
0.3326

 19.9197, 0.2602,  
0.3340


 104.5846, 0.2821,  
0.3323

 12.3367, 0.2514,  
0.3346


 133.5583, 0.2845,  
0.3321

 6.9734, 0.2392,  
0.3351

167.4425, 0.2865,  
0.3319

 3.4455, 0.2209,  
0.3356

206.6216, 0.2883,  
0.3317

 1.3685, 0.1908,  
0.3354

251.4800, 0.2898,

 0.1933, 0.0000,

0.3316

0.2734

302.4021, 0.2912,  
0.3315

0.0000, 0.0000,  
0.0000

43.2825, 0.2719,  
0.3332

43.2825, 0.2719,  
0.3332

41.9020, 0.2606,  
0.3348

44.9327, 0.2845,  
0.3317

40.7715, 0.2509,  
0.3365

46.8606, 0.2982,  
0.3303

39.8773, 0.2429,  
0.3382


49.0802, 0.3126,  
0.3290

39.2018, 0.2368,  
0.3400


51.6033, 0.3275,  
0.3279

38.7252, 0.2326,  
0.3417


54.4408, 0.3427,  
0.3268


 38.4241, 0.2302,  
0.3435

 57.6032, 0.3578,  
0.3259

 38.2518, 0.2292,  
0.3452

 60.0896, 0.3683,  
0.3250

 60.1331, 0.3674,  
0.3240

 60.1769, 0.3666,  
0.3230

# Harmonies

## Analogous

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



43.2825, 0.2933, 0.3584



43.2825, 0.2719, 0.3332



43.2825, 0.2613, 0.3081

# Triad

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



43.2825, 0.2719, 0.3332



43.2825, 0.3030, 0.2878



43.2825, 0.3637, 0.3661

# Complementary

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



43.2825, 0.2719, 0.3332



28.1147, 0.3754, 0.3250

# 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.



43.2825, 0.3670, 0.3460



43.2825, 0.2719, 0.3332



43.2825, 0.3311, 0.3020

# Square

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



43.2825, 0.2719, 0.3332



43.2825, 0.2787, 0.2833



43.2825, 0.3549, 0.3229



43.2825, 0.3464, 0.3773



# Rectangle

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



43.2825, 0.2719, 0.3332



43.2825, 0.2615, 0.2951



43.2825, 0.3549, 0.3229



43.2825, 0.3665, 0.3601

# Sweetspot

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



43.2842, 0.2719, 0.3332



85.2949, 0.2995, 0.3302



41.7787, 0.3116, 0.4148



18.6619, 0.2974, 0.3304



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.



43.2842, 0.2719, 0.3332



76.7753, 0.2644, 0.3342



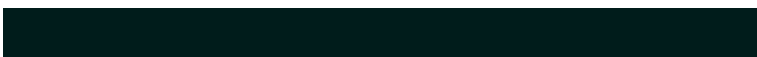
34.0503, 0.2659, 0.2925



10.2022, 0.2992, 0.3302



25.7409, 0.2292, 0.3450



0.9100, 0.2279, 0.3405



# Inverse Universe

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



28.1147, 0.3754, 0.3250



44.9047, 0.3952, 0.3241



35.2613, 0.3692, 0.3628



9.0198, 0.3280, 0.3278



7.0413, 0.6332, 0.3262

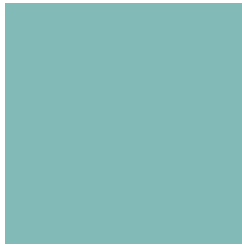


0.2509, 0.6068, 0.3117



# Previews

## White Background



This preview shows how the Yxy color 43.2825, 0.2719, 0.3332 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

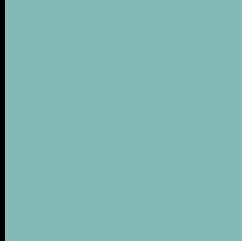
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.2825, 0.2719, 0.3332 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

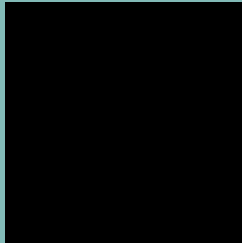
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

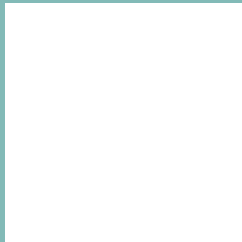
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 43.2825, 0.2719, 0.3332**

## **Background**



This preview shows how black text looks on a background with the Yxy color 43.2825, 0.2719, 0.3332.



This preview shows how white text looks on a background with the Yxy color 43.2825, 0.2719, 0.3332.

# 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

43.2825, 0.2719, 0.3332

### Protanopia

42.8717, 0.3146, 0.3263

### Deuteranopia

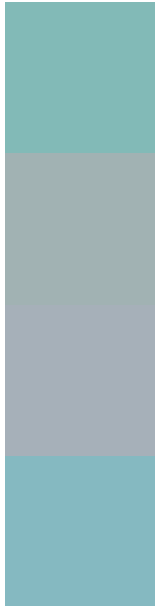
42.8594, 0.3146, 0.3083



## Tritanopia

43.4265, 0.2646, 0.3092

# Trichromacy



## Original Color

43.2825, 0.2719, 0.3332

## Protanomaly

42.6725, 0.2975, 0.3276

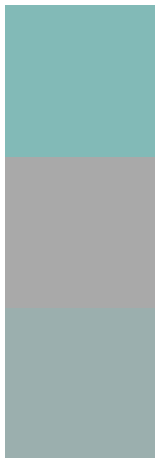
## Deuteranomaly

42.6604, 0.2970, 0.3167

## Tritanomaly

43.5347, 0.2673, 0.3175

# Monochromacy



## Original Color

43.2825, 0.2719, 0.3332

## Achromatopsia

39.6755, 0.3127, 0.3290

## Achromatomaly

40.6845, 0.2963, 0.3304

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.2825, 0.2719, 0.3332 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(130, 186, 183)` looks like.

```
.text, #text, p{  
    color:rgb(130, 186, 183)  
}
```

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(130, 186, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 186, 183) }
```

## Border

The CSS property to change the border of an element to Yxy 43.2825, 0.2719, 0.3332 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(130, 186, 183) }
```

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

```
.border{ border-color:rgb(130, 186, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 186, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 186, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 186, 183);  
box-shadow:4px 4px 4px 4px rgb(130, 186,  
183) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.2825, 0.2719, 0.3332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 186, 183) }
```

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

```
.background{ background-color: rgb(130,  
186, 183) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor