

# Converting Colors

$Y_{xy}(43.7214, 0.2721, 0.3241)$

Have a look what the booklet for  
Yxy(43.7214, 0.2721, 0.3241)  
contains.

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# Color

**Yxy(43.6063, 0.2719, 0.3232)**

# Conversions

## Conversions Part 1

Format	Color
Hex	88B9BD
RGB	136, 185, 189
RGB Percent	53%, 73%, 74%
CMY	0.4668, 0.2745, 0.2588
CMYK	0.28, 0.02, 0.00, 0.26
HSL	185°, 29%, 64%
HSV	185°, 28%, 74%
XYZ	36.6849, 43.6063, 54.6293
YIQ	170.8050, -30.4880, -9.1440

# Conversions

## Conversions Part 2

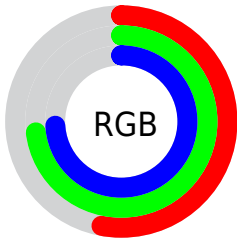
Format	Color
R <sub>Y</sub> B	136, 161, 189
Decimal	8960445
CIE Lab	71.96, -15.11, -7.26
CIE LCh	72, 16.767, 205.655
Yxy	43.6063, 0.2719, 0.3232
Android (android.graphics.Color)	4287150525 (0xFF88B9BD)
YUV	170.8050, 8.9701, -30.5240
Hunter-Lab	66.0351, -16.3981, -2.8247

# Details

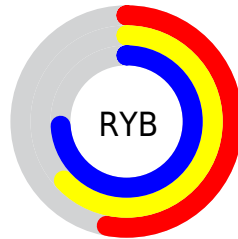
The Yxy color **43.6063, 0.2719, 0.3232** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **31.3448, 0.3716, 0.3347**, and the grayscale version is **40.5861, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5795, 0.2796, 0.3245**, and **20.1649, 0.2602, 0.3209** is the 20% darker color. If you saturate the color by 10%, you get **41.5699, 0.2592, 0.3209**, and if you desaturate by 10%, it is **45.9312, 0.2857, 0.3254**.

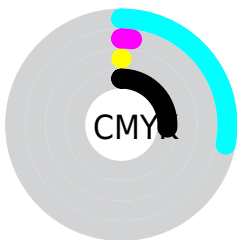
# Distribution



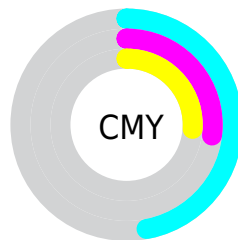
- Red (53%)
- Green (73%)
- Blue (74%)



- Red (53%)
- Yellow (63%)
- Blue (74%)



- Cyan (28%)
- Magenta (2%)
- Yellow (0%)
- Black (26%)




- Cyan (47%)
- Magenta (27%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.6063, 0.2719, 0.3232 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 43.6063, 0.2719, 0.3232 by changing the saturation by 10% instead.





 43.6063, 0.2719,  
0.3232


 43.6063, 0.2719,  
0.3232

361.0993, 0.2923,  
0.3264

 30.3611, 0.2668,  
0.3223


 80.6250, 0.2793,  
0.3245

 20.1128, 0.2603,  
0.3210


 105.1673, 0.2821,  
0.3249

 12.4771, 0.2517,  
0.3193

 134.2441, 0.2844,  
0.3253

 7.0695, 0.2396,  
0.3166

168.2398, 0.2865,  
0.3256

 3.5056, 0.2218,  
0.3122

207.5387, 0.2882,  
0.3258

 1.4010, 0.1930,  
0.3036

252.5254, 0.2897,

 0.2175, 0.0000,

0.3261

0.2261

303.5841, 0.2911,  
0.3263

0.0000, 0.0000,  
0.0000

43.6063, 0.2719,  
0.3232

43.6063, 0.2719,  
0.3232

41.5699, 0.2592,  
0.3209

45.9312, 0.2857,  
0.3254

39.8021, 0.2480,  
0.3184

48.5529, 0.3004,  
0.3275

38.2886, 0.2385,  
0.3159

51.4860, 0.3157,  
0.3294

37.0116, 0.2307,  
0.3133

54.7423, 0.3313,  
0.3311

35.9512, 0.2249,  
0.3108

58.3332, 0.3470,  
0.3326

■ 35.0837, 0.2209,  
0.3082

■ 62.2695, 0.3625,  
0.3340

■ 34.3726, 0.2185,  
0.3057

■ 63.9551, 0.3667,  
0.3354

■ 34.2412, 0.2181,  
0.3052

■ 64.5964, 0.3664,  
0.3369

■ 65.2437, 0.3660,  
0.3383

# Harmonies

## Analogous

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



43.6063, 0.2871, 0.3458



43.6063, 0.2719, 0.3232



43.6063, 0.2673, 0.3034

# Triad

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



43.6063, 0.2719, 0.3232



43.6063, 0.3146, 0.2973



43.6063, 0.3521, 0.3667

# Complementary

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



43.6063, 0.2719, 0.3232



31.3448, 0.3716, 0.3347

# 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.



43.6063, 0.3603, 0.3521



43.6063, 0.2719, 0.3232



43.6063, 0.3383, 0.3127

# Square

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



43.6063, 0.2719, 0.3232



43.6063, 0.2913, 0.2895



43.6063, 0.3552, 0.3324



43.6063, 0.3332, 0.3715



# Rectangle

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



43.6063, 0.2719, 0.3232



43.6063, 0.2707, 0.2944



43.6063, 0.3552, 0.3324



43.6063, 0.3562, 0.3627

# Sweetspot

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



43.6081, 0.2719, 0.3232



86.9180, 0.3003, 0.3275



43.5086, 0.3065, 0.4035



18.5315, 0.2981, 0.3272



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.



43.6081, 0.2719, 0.3232



75.6733, 0.2635, 0.3217



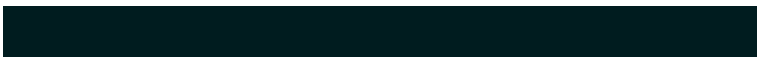
33.6878, 0.2680, 0.2845



10.6831, 0.2985, 0.3272



23.0870, 0.2182, 0.3056



0.9413, 0.2199, 0.3116



# Inverse Universe

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



31.9245, 0.3199, 0.2649



51.2693, 0.3218, 0.2502



39.8783, 0.3622, 0.3697



9.6835, 0.3149, 0.3081



9.3603, 0.3405, 0.1650

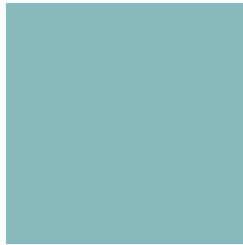


0.3704, 0.3354, 0.1621



# Previews

## White Background



This preview shows how the Yxy color 43.6063, 0.2719, 0.3232 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

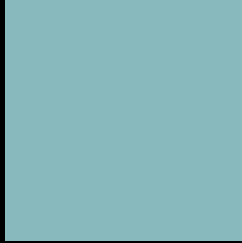
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.6063, 0.2719, 0.3232 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

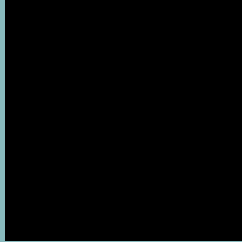
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

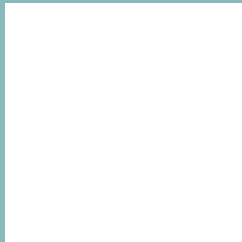
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 43.6063, 0.2719, 0.3232**

## Background



This preview shows how black text looks on a background with the Yxy color 43.6063, 0.2719, 0.3232.



This preview shows how white text looks on a background with the Yxy color 43.6063, 0.2719, 0.3232.

# 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

43.6063, 0.2719, 0.3232

### Protanopia

43.4260, 0.3080, 0.3184

### Deuteranopia

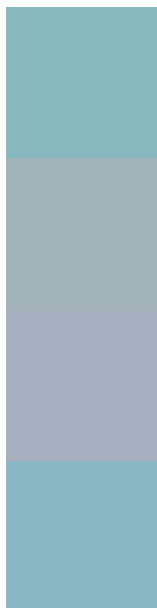
43.2459, 0.3078, 0.3019



## Tritanopia

43.7615, 0.2673, 0.3094

# Trichromacy



## Original Color

43.6063, 0.2719, 0.3232

## Protanomaly

43.4244, 0.2938, 0.3207

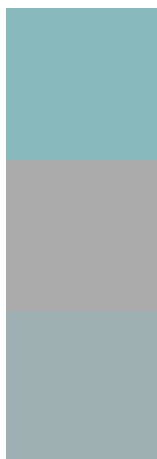
## Deuteranomaly

43.0277, 0.2933, 0.3088

## Tritanomaly

43.5395, 0.2686, 0.3134

# Monochromacy



## Original Color

43.6063, 0.2719, 0.3232

## Achromatopsia

40.7240, 0.3127, 0.3290

## Achromatomaly

41.5341, 0.2957, 0.3261

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.6063, 0.2719, 0.3232 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(136, 185, 189)` looks like.

```
.text, #text, p{  
    color:rgb(136, 185, 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(136, 185, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 185, 189) }
```

## Border

The CSS property to change the border of an element to Yxy 43.6063, 0.2719, 0.3232 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(136, 185, 189) }
```

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

```
.border{ border-color:rgb(136, 185, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 185, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 185, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 185, 189);  
box-shadow:4px 4px 4px 4px rgb(136, 185,  
189) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.6063, 0.2719, 0.3232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 185, 189) }
```

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

```
.background{ background-color: rgb(136,  
185, 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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