

# Converting Colors

$Y_{xy}(43.6252, 0.2667, 0.3217)$

Have a look what the booklet for  
Yxy(43.6252, 0.2667, 0.3217)  
contains.

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# Color

**Yxy(43.6252, 0.2667, 0.3217)**

# Conversions

## Conversions Part 1

Format	Color
Hex	82BABF
RGB	130, 186, 191
RGB Percent	51%, 73%, 75%
CMY	0.4903, 0.2706, 0.2509
CMYK	0.32, 0.03, 0.00, 0.25
HSL	185°, 32%, 63%
HSV	185°, 32%, 75%
XYZ	36.1667, 43.6252, 55.8164
YIQ	169.8260, -34.9810, -10.3170

# Conversions

## Conversions Part 2

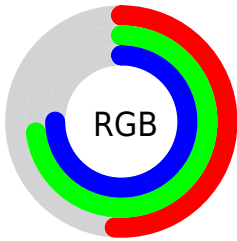
<b>Format</b>	<b>Color</b>
<b>RYB</b>	130, 159, 191
Decimal	8567487
CIELab	71.98, -16.89, -8.38
CIELCh	72, 18.856, 206.388
Yxy	43.6252, 0.2667, 0.3217
Android (android.graphics.Color)	4286757567 (0xFF82BABF)
YUV	169.8260, 10.4388, -34.9274
Hunter-Lab	66.0494, -17.8449, -3.8697

# Details

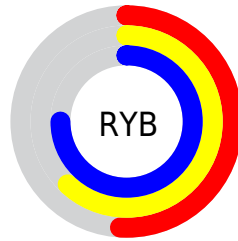
The Yxy color **43.6252, 0.2667, 0.3217** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **30.0133, 0.3828, 0.3361**, and the grayscale version is **40.0656, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5339, 0.2753, 0.3234**, and **20.1878, 0.2532, 0.3188** is the 20% darker color. If you saturate the color by 10%, you get **41.5970, 0.2545, 0.3191**, and if you desaturate by 10%, it is **45.9445, 0.2802, 0.3242**.

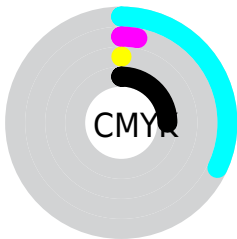
# Distribution



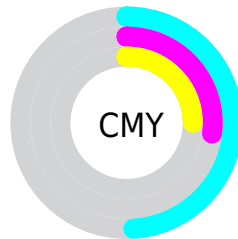
- Red (51%)
- Green (73%)
- Blue (75%)



- Red (51%)
- Yellow (62%)
- Blue (75%)



- Cyan (32%)
- Magenta (3%)
- Yellow (0%)
- Black (25%)



- Cyan (49%)
- Magenta (27%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.6252, 0.2667, 0.3217 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 43.6252, 0.2667, 0.3217 by changing the saturation by 10% instead.





 43.6252, 0.2667,  
0.3217


 43.6252, 0.2667,  
0.3217


361.1766, 0.2896,  
0.3258


 30.3760, 0.2610,  
0.3205


 80.6535, 0.2750,  
0.3233

 20.1241, 0.2537,  
0.3190


 105.2013, 0.2781,  
0.3238

 12.4853, 0.2441,  
0.3168


 134.2841, 0.2808,  
0.3243

 7.0751, 0.2307,  
0.3134

168.2863, 0.2831,  
0.3247

 3.5091, 0.2111,  
0.3079

207.5922, 0.2850,  
0.3250

 1.4029, 0.1796,  
0.2972

252.5863, 0.2868,

 0.2189, 0.0000,

0.3253

0.2098

303.6530, 0.2883,  
0.3256

0.0000, 0.0000,  
0.0000

43.6252, 0.2667,  
0.3217

43.6252, 0.2667,  
0.3217

41.5970, 0.2545,  
0.3191

45.9445, 0.2802,  
0.3242

39.8391, 0.2438,  
0.3164

48.5641, 0.2946,  
0.3265

38.3362, 0.2349,  
0.3136

51.4992, 0.3097,  
0.3286

37.0692, 0.2278,  
0.3108

54.7621, 0.3252,  
0.3305

36.0163, 0.2226,  
0.3080

58.3650, 0.3408,  
0.3323

■ 35.1515, 0.2193,  
0.3052

■ 62.3189, 0.3564,  
0.3338

■ 34.5524, 0.2175,  
0.3030

■ 64.9503, 0.3646,  
0.3354

■ 65.6664, 0.3642,  
0.3370

■ 66.3900, 0.3638,  
0.3386

# Harmonies

## Analogous

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



43.6252, 0.2834, 0.3473



43.6252, 0.2667, 0.3217



43.6252, 0.2619, 0.2996

# Triad

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



43.6252, 0.2667, 0.3217



43.6252, 0.3155, 0.2939



43.6252, 0.3565, 0.3716

# Complementary

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



43.6252, 0.2667, 0.3217



30.0133, 0.3828, 0.3361

# 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.



43.6252, 0.3662, 0.3552



43.6252, 0.2667, 0.3217



43.6252, 0.3420, 0.3112

# Square

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



43.6252, 0.2667, 0.3217



43.6252, 0.2892, 0.2849



43.6252, 0.3609, 0.3332



43.6252, 0.3350, 0.3769



# Rectangle

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



43.6252, 0.2667, 0.3217



43.6252, 0.2659, 0.2898



43.6252, 0.3609, 0.3332



43.6252, 0.3613, 0.3671

# Sweetspot

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



43.6269, 0.2667, 0.3217



87.8616, 0.2973, 0.3269



43.7368, 0.3055, 0.4158



19.1364, 0.2952, 0.3266



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

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



43.6269, 0.2667, 0.3217



75.6469, 0.2584, 0.3200



32.4258, 0.2614, 0.2773



10.6718, 0.2985, 0.3271



22.7582, 0.2176, 0.3034



0.9315, 0.2195, 0.3100



# Inverse Universe

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



30.5817, 0.3214, 0.2564



49.0067, 0.3236, 0.2417



39.4439, 0.3704, 0.3756



9.6824, 0.3150, 0.3082



9.3271, 0.3424, 0.1660

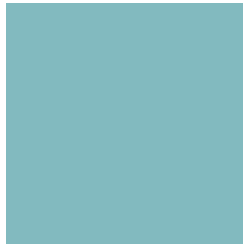


0.3694, 0.3367, 0.1629



# Previews

## White Background



This preview shows how the Yxy color 43.6252, 0.2667, 0.3217 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

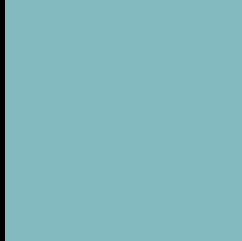
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.6252, 0.2667, 0.3217 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

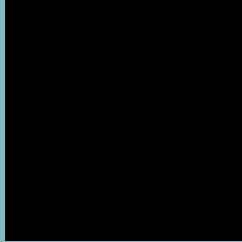
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

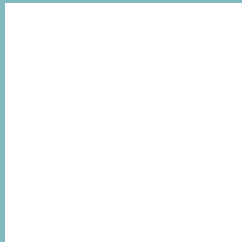
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 43.6252, 0.2667, 0.3217**

## **Background**



This preview shows how black text looks on a background with the Yxy color 43.6252, 0.2667, 0.3217.

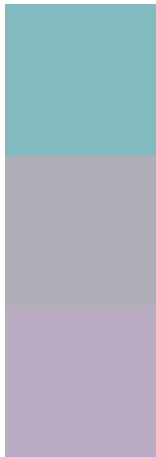


This preview shows how white text looks on a background with the Yxy color 43.6252, 0.2667, 0.3217.

# 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

43.6252, 0.2667, 0.3217

### Protanopia

43.3507, 0.3063, 0.3170

### Deuteranopia

43.2112, 0.3053, 0.2994



## Tritanopia

43.7736, 0.2623, 0.3079

# Trichromacy



## Original Color

43.6252, 0.2667, 0.3217

## Protanomaly

43.1990, 0.2899, 0.3180

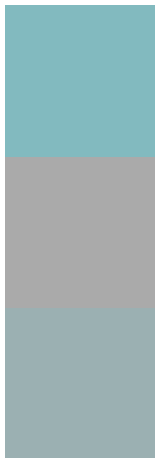
## Deuteranomaly

42.7934, 0.2893, 0.3060

## Tritanomaly

43.5544, 0.2635, 0.3119

# Monochromacy



## Original Color

43.6252, 0.2667, 0.3217

## Achromatopsia

40.1978, 0.3127, 0.3290

## Achromatomaly

41.2336, 0.2933, 0.3261

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.6252, 0.2667, 0.3217 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, 191)` looks like.

```
.text, #text, p{  
    color:rgb(130, 186, 191)  
}
```

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, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 186, 191) }
```

## Border

The CSS property to change the border of an element to Yxy 43.6252, 0.2667, 0.3217 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, 191) }
```

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

```
.border{ border-color:rgb(130, 186, 191) }
```

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, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 186, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 186, 191);  
box-shadow:4px 4px 4px 4px rgb(130, 186,  
191) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.6252, 0.2667, 0.3217 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, 191) }
```

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

```
.background{ background-color: rgb(130,  
186, 191) }
```

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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