

# Converting Colors

$Yxy(43.2341, 0.2634, 0.3493)$

Have a look what the booklet for  
Yxy(43.2341, 0.2634, 0.3493)  
contains.

<b>Yxy(43.2127, 0.2637, 0.3500)</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(43.2127, 0.2637, 0.3500)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6DBEB0
RGB	109, 190, 176
RGB Percent	43%, 75%, 69%
CMY	0.5725, 0.2549, 0.3098
CMYK	0.43, 0.00, 0.07, 0.25
HSL	170°, 38%, 59%
HSV	170°, 43%, 75%
XYZ	32.5577, 43.2127, 47.6945
YIQ	164.1850, -43.7820, -21.5260

# Conversions

## Conversions Part 2

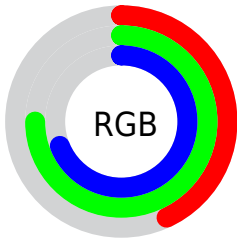
Format	Color
<a href="#">RYB</a>	109, 153, 190
Decimal	7192240
CIELab	71.70, -28.17, -0.69
CIElCh	72, 28.177, 181.395
Yxy	43.2127, 0.2637, 0.3500
Android (android.graphics.Color)	4285382320 (0xFF6DBEB0)
YUV	164.1850, 5.8248, -48.3972
Hunter-Lab	65.7364, -26.6318, 2.9981

# Details

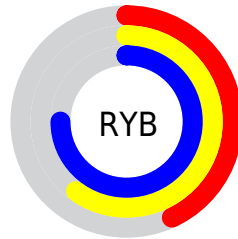
The Yxy color **43.2127, 0.2637, 0.3500** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.3203, 0.4024, 0.3099**, and the grayscale version is **37.2073, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.2402, 0.2723, 0.3460**, and **19.8204, 0.2489, 0.3546** is the 20% darker color. If you saturate the color by 10%, you get **42.0080, 0.2554, 0.3558**, and if you desaturate by 10%, it is **44.6844, 0.2735, 0.3445**.

# Distribution



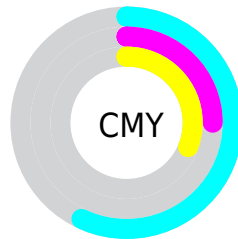
- Red (43%)
- Green (75%)
- Blue (69%)



- Red (43%)
- Yellow (60%)
- Blue (75%)



- Cyan (43%)
- Magenta (0%)
- Yellow (7%)
- Black (25%)




- Cyan (57%)
- Magenta (25%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.2127, 0.2637, 0.3500 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 43.2127, 0.2637, 0.3500 by changing the saturation by 10% instead.





 43.2127, 0.2637,  
0.3500


 43.2127, 0.2637,  
0.3500


359.4858, 0.2884,  
0.3395


 30.0520, 0.2575,  
0.3526


 80.0317, 0.2727,  
0.3462


 19.8781, 0.2495,  
0.3560


 104.4589, 0.2761,  
0.3447

 12.3065, 0.2389,  
0.3605


 133.4103, 0.2789,  
0.3435

 6.9527, 0.2240,  
0.3667

 167.2705, 0.2813,  
0.3425

 3.4326, 0.2018,  
0.3759

206.4237, 0.2835,  
0.3416

 1.3615, 0.1574,  
0.3944

251.2544, 0.2853,

 0.1881, 0.0000,

0.3408

0.4267

302.1469, 0.2869,  
0.3401

0.0000, 0.0000,  
0.0000

43.2127, 0.2637,  
0.3500

43.2127, 0.2637,  
0.3500

42.0080, 0.2554,  
0.3558

44.6844, 0.2735,  
0.3445

41.0482, 0.2487,  
0.3618

46.4335, 0.2846,  
0.3393

40.3161, 0.2440,  
0.3680


48.4759, 0.2966,  
0.3345

39.7900, 0.2411,  
0.3742

50.8249, 0.3093,  
0.3301

39.4436, 0.2401,  
0.3804


53.4929, 0.3224,  
0.3261

 39.2663, 0.2403,  
0.3849

 56.4917, 0.3356,  
0.3226

 59.8325, 0.3489,  
0.3194

 62.3654, 0.3569,  
0.3164

 62.5231, 0.3542,  
0.3130

# Harmonies

## Analogous

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



43.2127, 0.2986, 0.3848



43.2127, 0.2637, 0.3500



43.2127, 0.2425, 0.3107

# Triad

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



43.2127, 0.2637, 0.3500



43.2127, 0.2833, 0.2659



43.2127, 0.3921, 0.3713

# Complementary

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



43.2127, 0.2637, 0.3500



23.3203, 0.4024, 0.3099

# 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.



43.2127, 0.3883, 0.3395



43.2127, 0.2637, 0.3500



43.2127, 0.3232, 0.2812

# Square

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



43.2127, 0.2637, 0.3500



43.2127, 0.2533, 0.2650



43.2127, 0.3625, 0.3074



43.2127, 0.3734, 0.3950



# Rectangle

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



43.2127, 0.2637, 0.3500



43.2127, 0.2381, 0.2889



43.2127, 0.3625, 0.3074



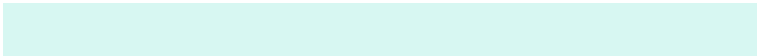
43.2127, 0.3935, 0.3612

# Sweetspot

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



43.2144, 0.2637, 0.3500



87.6104, 0.2959, 0.3347



42.2074, 0.3177, 0.4551



19.0479, 0.2932, 0.3358



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.



43.2144, 0.2637, 0.3500



76.2804, 0.2560, 0.3553



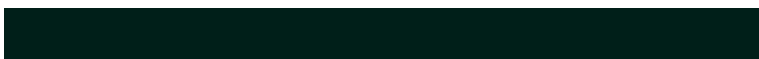
33.6497, 0.2489, 0.2894



10.7804, 0.3007, 0.3330



26.1198, 0.2400, 0.3841



1.0307, 0.2359, 0.3694



# Inverse Universe

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



23.3203, 0.4024, 0.3099



35.5455, 0.4334, 0.3063



29.2868, 0.4061, 0.3647



9.5626, 0.3262, 0.3251



7.3600, 0.6119, 0.3144

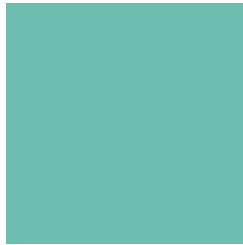


0.2967, 0.5505, 0.2806



# Previews

## White Background



This preview shows how the Yxy color 43.2127, 0.2637, 0.3500 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 43.2127, 0.2637, 0.3500 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

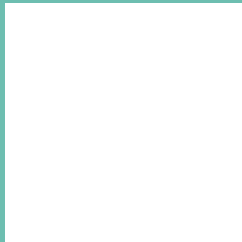
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 43.2127, 0.2637, 0.3500**

## Background



This preview shows how black text looks on a background with the Yxy color 43.2127, 0.2637, 0.3500.



This preview shows how white text looks on a background with the Yxy color 43.2127, 0.2637, 0.3500.

# 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

43.2127, 0.2637, 0.3500

### Protanopia

42.7654, 0.3240, 0.3385

### Deuteranopia

42.4900, 0.3216, 0.3148



## Tritanopia

43.0479, 0.2521, 0.3074

# Trichromacy



**Original Color**

43.2127, 0.2637, 0.3500

**Protanomaly**

42.4148, 0.2986, 0.3432

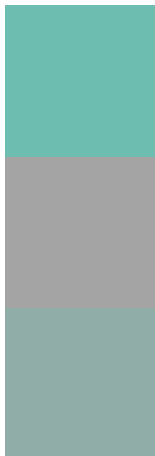
**Deuteranomaly**

42.1725, 0.2967, 0.3262

**Tritanomaly**

42.8571, 0.2558, 0.3215

# Monochromacy



**Original Color**

43.2127, 0.2637, 0.3500

**Achromatopsia**

37.1238, 0.3127, 0.3290

**Achromatomaly**

38.6436, 0.2917, 0.3363

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.2127, 0.2637, 0.3500 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(109, 190, 176)` looks like.

```
.text, #text, p{  
    color:rgb(109, 190, 176)  
}
```

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(109, 190, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 190, 176) }
```

## Border

The CSS property to change the border of an element to Yxy 43.2127, 0.2637, 0.3500 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(109, 190, 176) }
```

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

```
.border{ border-color:rgb(109, 190, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 190, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 190, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 190, 176);  
box-shadow:4px 4px 4px 4px rgb(109, 190,  
176) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.2127, 0.2637, 0.3500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 190, 176) }
```

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

```
.background{ background-color: rgb(109,  
190, 176) }
```

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