

# Converting Colors

$Yxy(41.9736, 0.2394, 0.3261)$

Have a look what the booklet for  
Yxy(41.9736, 0.2394, 0.3261)  
contains.

<b>Yxy(42.1663, 0.2397, 0.3273)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(42.1663, 0.2397, 0.3273)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4DBEBF
RGB	77, 190, 191
RGB Percent	30%, 75%, 75%
CMY	0.6977, 0.2549, 0.2511
CMYK	0.60, 0.01, 0.00, 0.25
HSL	181°, 47%, 53%
HSV	181°, 60%, 75%
XYZ	30.8807, 42.1663, 55.7837
YIQ	156.3270, -67.6690, -23.6450

# Conversions

## Conversions Part 2

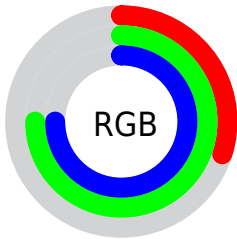
<b>Format</b>	<b>Color</b>
<b>RYB</b>	77, 134, 191
Decimal	5095103
CIELab	70.99, -31.21, -10.06
CIElCh	71, 32.787, 197.867
Yxy	42.1663, 0.2397, 0.3273
Android (android.graphics.Color)	4283285183 (0xFF4DBEBF)
YUV	156.3270, 17.0938, -69.5698
Hunter-Lab	64.9356, -28.7499, -5.4789

# Details

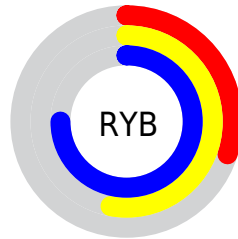
The Yxy color **42.1663, 0.2397, 0.3273** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **17.0684, 0.4951, 0.3307**, and the grayscale version is **33.3552, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6402, 0.2531, 0.3288**, and **19.4433, 0.2235, 0.3245** is the 20% darker color. If you saturate the color by 10%, you get **41.4150, 0.2331, 0.3270**, and if you desaturate by 10%, it is **43.1541, 0.2482, 0.3276**.

# Distribution



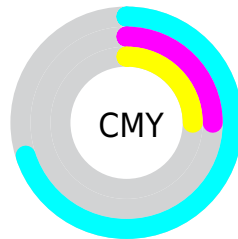
- Red (30%)
- Green (75%)
- Blue (75%)



- Red (30%)
- Yellow (53%)
- Blue (75%)



- Cyan (60%)
- Magenta (1%)
- Yellow (0%)
- Black (25%)




- Cyan (70%)
- Magenta (25%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.1663, 0.2397, 0.3273 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 42.1663, 0.2397, 0.3273 by changing the saturation by 10% instead.





 42.1663, 0.2397,  
0.3273

 42.1663, 0.2397,  
0.3273


355.1719, 0.2760,  
0.3291


 29.2315, 0.2308,  
0.3265


 78.4513, 0.2528,  
0.3282


 19.2560, 0.2194,  
0.3254


 102.5702, 0.2577,  
0.3284

 11.8554, 0.2046,  
0.3235


 131.1861, 0.2619,  
0.3286

 6.6453, 0.1843,  
0.3203

 164.6831, 0.2655,  
0.3288

 3.2413, 0.1553,  
0.3141

203.4459, 0.2686,  
0.3289

 1.2590, 0.0957,  
0.3056

247.8586, 0.2714,

 0.1091, 0.0000,

0.3290

0.1172

298.3058, 0.2738,  
0.3290

■ 0.0000, 0.0000,  
0.0000

■ 42.1663, 0.2397,  
0.3273

■ 42.1663, 0.2397,  
0.3273

■ 41.4150, 0.2331,  
0.3270

■ 43.1541, 0.2482,  
0.3276

■ 40.8743, 0.2284,  
0.3267

■ 44.3922, 0.2585,  
0.3279

■ 40.5211, 0.2255,  
0.3264

■ 45.8988, 0.2704,  
0.3282

■ 40.3086, 0.2240,  
0.3262

■ 47.6890, 0.2837,  
0.3285

■ 40.3014, 0.2239,  
0.3262

■ 49.7771, 0.2981,  
0.3288

■ 52.1762, 0.3133,  
0.3290

■ 54.8986, 0.3290,  
0.3292

■ 57.9561, 0.3450,  
0.3295

■ 61.3597, 0.3610,  
0.3297

# Harmonies

## Analogous

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



42.1663, 0.2720, 0.3742



42.1663, 0.2397, 0.3273



42.1663, 0.2264, 0.2856

# Triad

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



42.1663, 0.2397, 0.3273



42.1663, 0.3029, 0.2639



42.1663, 0.3963, 0.3948

# Complementary

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



42.1663, 0.2397, 0.3273



17.0684, 0.4951, 0.3307

# 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.



42.1663, 0.4074, 0.3612



42.1663, 0.2397, 0.3273



42.1663, 0.3512, 0.2889

# Square

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



42.1663, 0.2397, 0.3273



42.1663, 0.2606, 0.2532



42.1663, 0.3907, 0.3234



42.1663, 0.3625, 0.4138



# Rectangle

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



42.1663, 0.2397, 0.3273



42.1663, 0.2290, 0.2665



42.1663, 0.3907, 0.3234



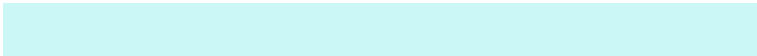
42.1663, 0.4029, 0.3846

# Sweetspot

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



42.1679, 0.2397, 0.3273



85.9122, 0.2856, 0.3285



39.3677, 0.3038, 0.5192



18.6414, 0.2815, 0.3284



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.



42.1679, 0.2397, 0.3273



73.8189, 0.2312, 0.3269



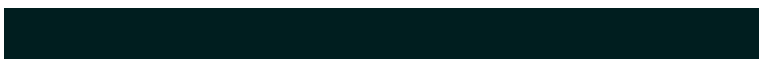
22.4016, 0.2190, 0.2336



10.7952, 0.2985, 0.3288



26.5012, 0.2239, 0.3262



1.0426, 0.2241, 0.3268



# Inverse Universe

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



20.1114, 0.3203, 0.1927



30.7692, 0.3216, 0.1729



28.6692, 0.4419, 0.4041



9.6948, 0.3139, 0.3066



9.7050, 0.3230, 0.1553



0.3806, 0.3225, 0.1550



# Previews

## White Background



This preview shows how the Yxy color 42.1663, 0.2397, 0.3273 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

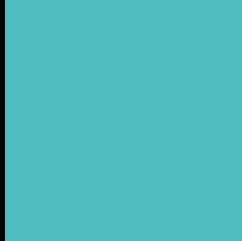
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 42.1663, 0.2397, 0.3273 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

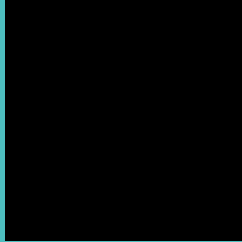
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

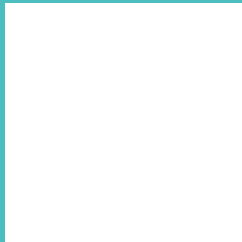
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 42.1663, 0.2397, 0.3273**

## Background



This preview shows how black text looks on a background with the Yxy color 42.1663, 0.2397, 0.3273.

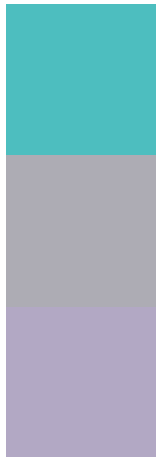


This preview shows how white text looks on a background with the Yxy color 42.1663, 0.2397, 0.3273.

# 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

42.1663, 0.2397, 0.3273

### Protanopia

41.6846, 0.3070, 0.3182

### Deuteranopia

41.4558, 0.2985, 0.2924



## Tritanopia

42.0721, 0.2349, 0.3066

# Trichromacy



## Original Color

42.1663, 0.2397, 0.3273



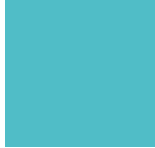
## Protanomaly

41.1042, 0.2759, 0.3217



## Deuteranomaly

40.6084, 0.2709, 0.3034



## Tritanomaly

42.2242, 0.2365, 0.3138

# Monochromacy



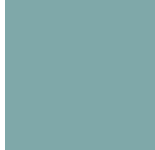
## Original Color

42.1663, 0.2397, 0.3273



## Achromatopsia

33.2452, 0.3127, 0.3290



## Achromatomaly

35.3819, 0.2768, 0.3273

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.1663, 0.2397, 0.3273 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(77, 190, 191)` looks like.

```
.text, #text, p{  
    color:rgb(77, 190, 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(77, 190, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 190, 191) }
```

## Border

The CSS property to change the border of an element to Yxy 42.1663, 0.2397, 0.3273 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(77, 190, 191) }
```

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

```
.border{ border-color:rgb(77, 190, 191) }
```

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

Here you see how a box with a 4 pixel rgb(77, 190, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 190, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 190, 191);  
box-shadow:4px 4px 4px 4px rgb(77, 190,  
191) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.1663, 0.2397, 0.3273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 190, 191) }
```

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

```
.background{ background-color: rgb(77, 190,  
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](#).

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