

# Converting Colors

$Y_{xy}(42.7736, 0.2274, 0.3053)$

Have a look what the booklet for  
Yxy(42.7736, 0.2274, 0.3053)  
contains.

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# Color

**Yxy(42.7907, 0.2273, 0.3050)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3EBFCF
RGB	62, 191, 207
RGB Percent	24%, 75%, 81%
CMY	0.7561, 0.2510, 0.1882
CMYK	0.70, 0.08, 0.00, 0.19
HSL	187°, 60%, 53%
HSV	187°, 70%, 81%
XYZ	31.8896, 42.7907, 65.6171
YIQ	154.2530, -82.0200, -22.3720

# Conversions

## Conversions Part 2

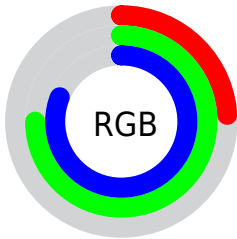
<b>Format</b>	<b>Color</b>
<b>RYB</b>	62, 130, 207
Decimal	4112335
CIELab	71.41, -29.34, -18.22
CIELCh	71, 34.541, 211.839
Yxy	42.7907, 0.2273, 0.3050
Android (android.graphics.Color)	4282302415 (0xFF3EBFCF)
YUV	154.2530, 26.0043, -80.9059
Hunter-Lab	65.4146, -27.4569, -13.6833




# Details

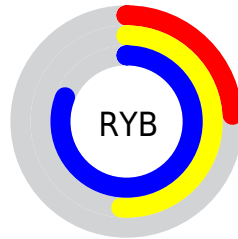
The Yxy color **42.7907, 0.2273, 0.3050** is a dark color, and the websafe version is hex **66CCCC**. The color can be described as middle muted azure. A complement of this color would be **19.0971, 0.5320, 0.3461**, and the grayscale version is **32.3663, 0.3127, 0.3290**.




A 20% lighter version of the original color is **78.9440, 0.2459, 0.3208**, and **20.1912, 0.2156, 0.2963** is the 20% darker color. If you saturate the color by 10%, you get **41.2522, 0.2214, 0.3011**, and if you desaturate by 10%, it is **44.6030, 0.2351, 0.3089**.

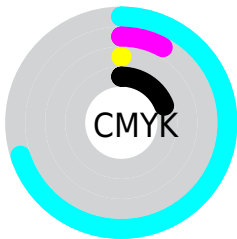
# Distribution







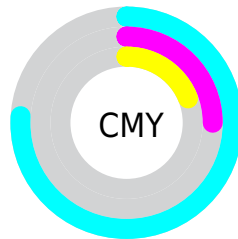
-  Red (24%)
-  Green (75%)
-  Blue (81%)






-  Red (24%)
-  Yellow (51%)
-  Blue (81%)



-  Cyan (70%)
-  Magenta (8%)
-  Yellow (0%)
-  Black (19%)




-  Cyan (76%)
-  Magenta (25%)
-  Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.7907, 0.2273, 0.3050 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 42.7907, 0.2273, 0.3050 by changing the saturation by 10% instead.





 42.7907, 0.2273,  
0.3050


 42.7907, 0.2273,  
0.3050


357.7503, 0.2691,  
0.3184

 29.7209, 0.2172,  
0.3012


 79.3949, 0.2422,  
0.3102

 19.6269, 0.2046,  
0.2962


 103.6982, 0.2479,  
0.3120


 12.1241, 0.1882,  
0.2891


 132.5147, 0.2528,  
0.3136

 6.8283, 0.1664,  
0.2787

 166.2289, 0.2570,  
0.3149

 3.3549, 0.1363,  
0.2620

 205.2252, 0.2606,  
0.3160

 1.3197, 0.0861,  
0.2346

249.8879, 0.2638,

 0.1564, 0.0000,

0.3169

0.0928

300.6015, 0.2666,  
0.3177

■ 0.0000, 0.0000,  
0.0000

■ 42.7907, 0.2273,  
0.3050

■ 42.7907, 0.2273,  
0.3050

■ 41.2522, 0.2214,  
0.3011

■ 44.6030, 0.2351,  
0.3089

■ 39.9521, 0.2174,  
0.2973

■ 46.7103, 0.2448,  
0.3126

■ 38.8353, 0.2149,  
0.2935

■ 49.1370, 0.2561,  
0.3163

■ 38.8305, 0.2149,  
0.2935

■ 51.9035, 0.2688,  
0.3198

■ 55.0286, 0.2827,  
0.3231

■ 58.5294, 0.2975,  
0.3262

■ 62.4223, 0.3128,  
0.3290

■ 66.7222, 0.3283,  
0.3316

■ 71.4435, 0.3439,  
0.3339

# Harmonies

## Analogous

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



42.7907, 0.2521, 0.3539



42.7907, 0.2273, 0.3050



42.7907, 0.2235, 0.2686

# Triad

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



42.7907, 0.2273, 0.3050



42.7907, 0.3259, 0.2716



42.7907, 0.3860, 0.4097

# Complementary

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



42.7907, 0.2273, 0.3050



19.0971, 0.5320, 0.3461

# 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.



42.7907, 0.4100, 0.3799



42.7907, 0.2273, 0.3050



42.7907, 0.3745, 0.3029

# Square

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



42.7907, 0.2273, 0.3050



42.7907, 0.2771, 0.2530



42.7907, 0.4062, 0.3413



42.7907, 0.3431, 0.4188



# Rectangle

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



42.7907, 0.2273, 0.3050



42.7907, 0.2329, 0.2548



42.7907, 0.4062, 0.3413



42.7907, 0.3966, 0.4014

# Sweetspot

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



42.7923, 0.2273, 0.3050



87.4974, 0.2809, 0.3227



46.1932, 0.2969, 0.5349



18.4204, 0.2769, 0.3218



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

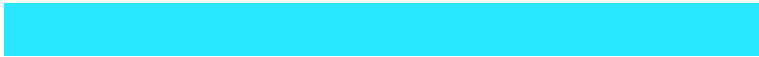


# Same Dimension

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



42.7923, 0.2273, 0.3050



65.0063, 0.2192, 0.2992



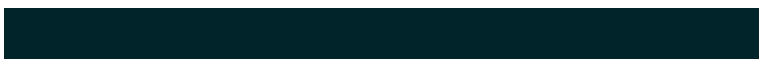
18.9983, 0.1987, 0.1888



13.1743, 0.2983, 0.3264



24.5482, 0.2150, 0.2940



1.4378, 0.2170, 0.3010



# Inverse Universe

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



20.4947, 0.3393, 0.1886



28.6185, 0.3456, 0.1751



35.1389, 0.4563, 0.4290



11.9856, 0.3154, 0.3086



10.5494, 0.3507, 0.1706

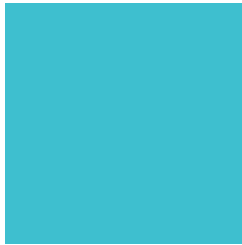


0.5964, 0.3445, 0.1672



# Previews

## White Background



This preview shows how the Yxy color 42.7907, 0.2273, 0.3050 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 42.7907, 0.2273, 0.3050 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

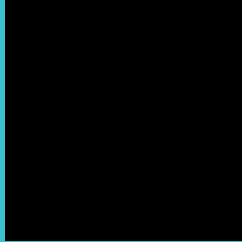
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 42.7907, 0.2273, 0.3050**

## **Background**



This preview shows how black text looks on a background with the Yxy color 42.7907, 0.2273, 0.3050.

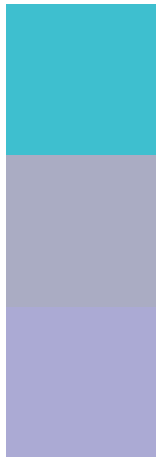


This preview shows how white text looks on a background with the Yxy color 42.7907, 0.2273, 0.3050.

# 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

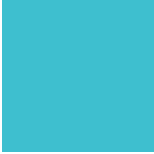
42.7907, 0.2273, 0.3050

### Protanopia

41.9912, 0.2926, 0.2984

### Deuteranopia

42.1608, 0.2807, 0.2749



## **Tritanopia**

42.7907, 0.2273, 0.3050

# Trichromacy



## Original Color

42.7907, 0.2273, 0.3050



## Protanomaly

41.1890, 0.2611, 0.3005



## Deuteranomaly

41.3192, 0.2542, 0.2845



## Tritanomaly

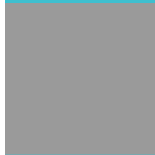
42.7907, 0.2273, 0.3050

# Monochromacy



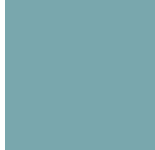
## Original Color

42.7907, 0.2273, 0.3050



## Achromatopsia

32.3143, 0.3127, 0.3290



## Achromatomaly

34.7195, 0.2692, 0.3195

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.7907, 0.2273, 0.3050 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(62, 191, 207)` looks like.

```
.text, #text, p{  
    color:rgb(62, 191, 207)  
}
```

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(62, 191, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 191, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 42.7907, 0.2273, 0.3050 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(62, 191, 207) }
```

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

```
.border{ border-color:rgb(62, 191, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 191, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 191, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 191, 207);  
box-shadow:4px 4px 4px 4px rgb(62, 191,  
207) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.7907, 0.2273, 0.3050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 191, 207) }
```

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

```
.background{ background-color: rgb(62, 191,  
207) }
```

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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