

# Converting Colors

$Y_{xy}(55.3169, 0.2578, 0.3240)$

Have a look what the booklet for  
Yxy(55.3169, 0.2578, 0.3240)  
contains.

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# Color

**Yxy(55.0722, 0.2577, 0.3236)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81D1D5
RGB	129, 209, 213
RGB Percent	51%, 82%, 84%
CMY	0.4943, 0.1803, 0.1648
CMYK	0.39, 0.02, 0.00, 0.16
HSL	183°, 50%, 67%
HSV	183°, 39%, 84%
XYZ	43.8569, 55.0722, 71.2569
YIQ	185.5360, -48.9640, -15.7160

# Conversions

## Conversions Part 2

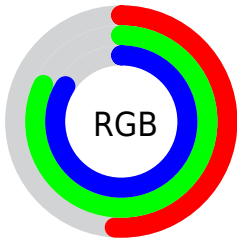
Format	Color
<a href="#">RYB</a>	<a href="#">129, 170, 213</a>
Decimal	<a href="#">8507861</a>
CIELab	<a href="#">79.08, -23.47, -9.71</a>
CIElCh	<a href="#">79, 25.397, 202.466</a>
Yxy	<a href="#">55.0722, 0.2577, 0.3236</a>
Android (android.graphics.Color)	<a href="#">4286697941 (0xFF81D1D5)</a>
YUV	<a href="#">185.5360, 13.5398, -49.5821</a>
Hunter-Lab	<a href="#">74.2106, -24.3789, -4.9827</a>

# Details

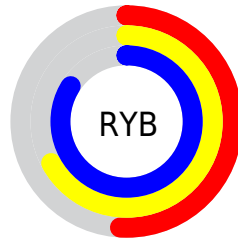
The Yxy color **55.0722, 0.2577, 0.3236** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.4827, 0.4093, 0.3342**, and the grayscale version is **48.7688, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0543, 0.2726, 0.3289**, and **26.9963, 0.2439, 0.3216** is the 20% darker color. If you saturate the color by 10%, you get **53.0851, 0.2470, 0.3221**, and if you desaturate by 10%, it is **57.4143, 0.2700, 0.3251**.

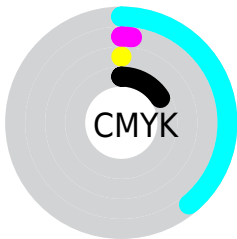
# Distribution



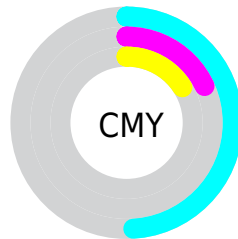
- Red (51%)
- Green (82%)
- Blue (84%)



- Red (51%)
- Yellow (67%)
- Blue (84%)



- Cyan (39%)
- Magenta (2%)
- Yellow (0%)
- Black (16%)




- Cyan (49%)
- Magenta (18%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.0722, 0.2577, 0.3236 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 55.0722, 0.2577, 0.3236 by changing the saturation by 10% instead.




 55.0722, 0.2577,  
0.3236

 55.0722, 0.2577,  
0.3236

406.1856, 0.2840,  
0.3268


 39.4595, 0.2515,  
0.3227


 97.6467, 0.2670,  
0.3248

 27.1174, 0.2438,  
0.3215


 125.3774, 0.2705,  
0.3253

 17.6614, 0.2338,  
0.3197


 157.9162, 0.2736,  
0.3256

 10.7072, 0.2206,  
0.3171

195.6474, 0.2762,  
0.3259

 5.8703, 0.2021,  
0.3129

238.9556, 0.2785,  
0.3262

 2.7664, 0.1750,  
0.3054

288.2251, 0.2806,

 1.0110, 0.1121,

0.3264

0.2961

343.8403, 0.2824,  
0.3266

0.0000, 0.0000,  
0.0000

55.0722, 0.2577,  
0.3236

55.0722, 0.2577,  
0.3236

53.0851, 0.2470,  
0.3221

57.4143, 0.2700,  
0.3251

51.4247, 0.2380,  
0.3205

60.1248, 0.2836,  
0.3265

50.0690, 0.2309,  
0.3189


63.2242, 0.2982,  
0.3278


48.9904, 0.2258,  
0.3173

66.7297, 0.3136,  
0.3291


48.1562, 0.2225,  
0.3157

70.6575, 0.3293,  
0.3302


 47.5111, 0.2207,  
0.3142

 74.6898, 0.3439,  
0.3312

 47.4775, 0.2206,  
0.3141

 75.2040, 0.3438,  
0.3322

 75.7214, 0.3436,  
0.3332

 76.2420, 0.3434,  
0.3342

# Harmonies

## Analogous

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



55.0722, 0.2797, 0.3559



55.0722, 0.2577, 0.3236



55.0722, 0.2499, 0.2951

# Triad

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



55.0722, 0.2577, 0.3236



55.0722, 0.3114, 0.2837



55.0722, 0.3697, 0.3796

# Complementary

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



55.0722, 0.2577, 0.3236



32.4827, 0.4093, 0.3342

# 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.



55.0722, 0.3798, 0.3575



55.0722, 0.2577, 0.3236



55.0722, 0.3451, 0.3037

# Square

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



55.0722, 0.2577, 0.3236



55.0722, 0.2796, 0.2743



55.0722, 0.3707, 0.3300



55.0722, 0.3442, 0.3892



# Rectangle

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



55.0722, 0.2577, 0.3236



55.0722, 0.2534, 0.2821



55.0722, 0.3707, 0.3300



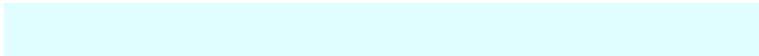
55.0722, 0.3751, 0.3733

# Sweetspot

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



55.0744, 0.2577, 0.3236



93.7323, 0.2942, 0.3275



53.9030, 0.3054, 0.4452



19.9282, 0.2923, 0.3273



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.



55.0744, 0.2577, 0.3236



80.3436, 0.2489, 0.3224



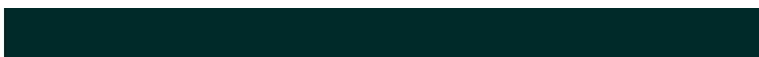
37.5350, 0.2489, 0.2663



14.0026, 0.2983, 0.3278



29.0502, 0.2206, 0.3143



1.7838, 0.2214, 0.3170



# Inverse Universe

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



34.4371, 0.3211, 0.2363



45.4905, 0.3229, 0.2190



45.9112, 0.3888, 0.3840



12.6221, 0.3145, 0.3071



11.2775, 0.3330, 0.1608

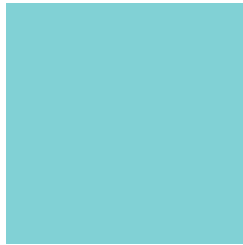


0.6834, 0.3308, 0.1596



# Previews

## White Background



This preview shows how the Yxy color 55.0722, 0.2577, 0.3236 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

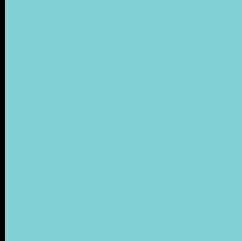
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.0722, 0.2577, 0.3236 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

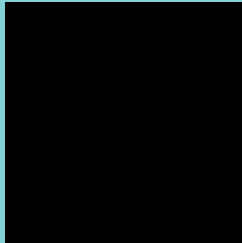
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

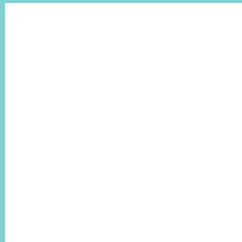
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 55.0722, 0.2577, 0.3236**

## Background



This preview shows how black text looks on a background with the Yxy color 55.0722, 0.2577, 0.3236.



This preview shows how white text looks on a background with the Yxy color 55.0722, 0.2577, 0.3236.

# 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

55.0722, 0.2577, 0.3236

### Protanopia

54.6790, 0.3069, 0.3169

### Deuteranopia

54.6740, 0.3039, 0.2975



## Tritanopia

54.9130, 0.2531, 0.3069

# Trichromacy



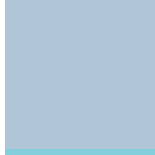
## Original Color

55.0722, 0.2577, 0.3236



## Protanomaly

54.1225, 0.2869, 0.3189



## Deuteranomaly

54.2375, 0.2845, 0.3056



## Tritanomaly

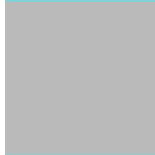
55.1044, 0.2549, 0.3132

# Monochromacy



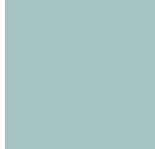
## Original Color

55.0722, 0.2577, 0.3236



## Achromatopsia

49.1021, 0.3127, 0.3290



## Achromatomaly

50.5684, 0.2889, 0.3263

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.0722, 0.2577, 0.3236 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(129, 209, 213)` looks like.

```
.text, #text, p{  
    color:rgb(129, 209, 213)  
}
```

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(129, 209, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 209, 213) }
```

## Border

The CSS property to change the border of an element to Yxy 55.0722, 0.2577, 0.3236 is called "border". The border property can be set on classes, ids or directly on the HTML element.

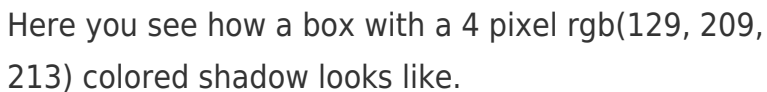
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(129, 209, 213) }
```

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

```
.border{ border-color:rgb(129, 209, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(129, 209, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 209, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 209, 213);  
box-shadow:4px 4px 4px 4px rgb(129, 209,  
213) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.0722, 0.2577, 0.3236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 209, 213) }
```

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

```
.background{ background-color: rgb(129,  
209, 213) }
```

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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