

# Converting Colors

$Yxy(55.3342, 0.2681, 0.3536)$

Have a look what the booklet for  
Yxy(55.3342, 0.2681, 0.3536)  
contains.

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# Color

**Yxy(55.4492, 0.2682, 0.3547)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7FD4C1
RGB	127, 212, 193
RGB Percent	50%, 83%, 76%
CMY	0.5018, 0.1686, 0.2431
CMYK	0.40, 0.00, 0.09, 0.17
HSL	167°, 50%, 66%
HSV	167°, 40%, 83%
XYZ	41.9269, 55.4492, 58.9509
YIQ	184.4190, -44.5610, -23.9290

# Conversions

## Conversions Part 2

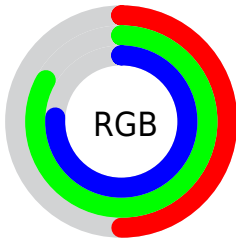
<b>Format</b>	<b>Color</b>
<b>RYB</b>	127, 175, 212
Decimal	8377537
CIELab	79.30, -30.16, 1.30
CIELCh	79, 30.184, 177.528
Yxy	55.4492, 0.2682, 0.3547
Android (android.graphics.Color)	4286567617 (0xFF7FD4C1)
YUV	184.4190, 4.2304, -50.3565
Hunter-Lab	74.4642, -29.8084, 5.1870

# Details

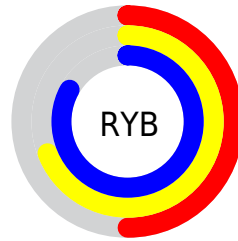
The Yxy color **55.4492, 0.2682, 0.3547** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.2628, 0.3903, 0.3055**, and the grayscale version is **48.1778, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4268, 0.2745, 0.3353**, and **27.3851, 0.2564, 0.3607** is the 20% darker color. If you saturate the color by 10%, you get **53.7826, 0.2599, 0.3623**, and if you desaturate by 10%, it is **57.4695, 0.2779, 0.3475**.

# Distribution



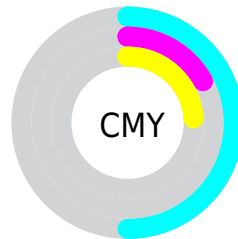
- Red (50%)
- Green (83%)
- Blue (76%)



- Red (50%)
- Yellow (69%)
- Blue (83%)



- Cyan (40%)
- Magenta (0%)
- Yellow (9%)
- Black (17%)




- Cyan (50%)
- Magenta (17%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.4492, 0.2682, 0.3547 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 55.4492, 0.2682, 0.3547 by changing the saturation by 10% instead.





 55.4492, 0.2682,  
0.3547

 55.4492, 0.2682,  
0.3547


407.6124, 0.2898,  
0.3422

 39.7615, 0.2630,  
0.3577


 98.1988, 0.2759,  
0.3502

 27.3526, 0.2565,  
0.3616


 126.0295, 0.2788,  
0.3485

 17.8382, 0.2480,  
0.3666


 158.6766, 0.2813,  
0.3471

 10.8339, 0.2365,  
0.3734

196.5245, 0.2835,  
0.3458

 5.9553, 0.2202,  
0.3832

239.9577, 0.2853,  
0.3447

 2.8179, 0.1952,  
0.3983

289.3604, 0.2870,

 1.0374, 0.1049,

0.3438

0.4489

345.1172, 0.2885,  
0.3429

0.0000, 0.0000,  
0.0000

55.4492, 0.2682,  
0.3547

55.4492, 0.2682,  
0.3547

53.7826, 0.2599,  
0.3623

57.4695, 0.2779,  
0.3475

52.4412, 0.2532,  
0.3703

59.8567, 0.2888,  
0.3408

51.4033, 0.2484,  
0.3785


62.6313, 0.3004,  
0.3346

50.6411, 0.2455,  
0.3867


65.8105, 0.3126,  
0.3290

50.1219, 0.2446,  
0.3950


69.4101, 0.3251,  
0.3240

 49.7881, 0.2453,  
0.4031

 73.4455, 0.3377,  
0.3195

 73.8459, 0.3348,  
0.3148

 74.1098, 0.3314,  
0.3101

 74.3811, 0.3280,  
0.3055

# Harmonies

## Analogous

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



55.4492, 0.3038, 0.3873



55.4492, 0.2682, 0.3547



55.4492, 0.2452, 0.3158

# Triad

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



55.4492, 0.2682, 0.3547



55.4492, 0.2792, 0.2657



55.4492, 0.3918, 0.3670

# Complementary

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



55.4492, 0.2682, 0.3547



31.2628, 0.3903, 0.3055

# 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.



55.4492, 0.3851, 0.3352



55.4492, 0.2682, 0.3547



55.4492, 0.3178, 0.2792

# Square

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



55.4492, 0.2682, 0.3547



55.4492, 0.2513, 0.2669



55.4492, 0.3573, 0.3039



55.4492, 0.3760, 0.3918



# Rectangle

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



55.4492, 0.2682, 0.3547



55.4492, 0.2393, 0.2933



55.4492, 0.3573, 0.3039



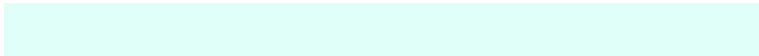
55.4492, 0.3922, 0.3568

# Sweetspot

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



55.4514, 0.2682, 0.3547



94.2186, 0.2980, 0.3359



54.8094, 0.3207, 0.4464



20.0437, 0.2964, 0.3367



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

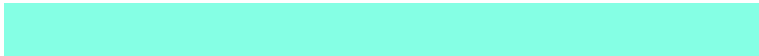


# Same Dimension

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



55.4514, 0.2682, 0.3547



82.0559, 0.2611, 0.3611



45.8114, 0.2530, 0.2979



14.0582, 0.3012, 0.3343



30.7535, 0.2450, 0.4019



1.8669, 0.2410, 0.3878



# Inverse Universe

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



31.2628, 0.3903, 0.3055



40.4622, 0.4158, 0.3009



37.2464, 0.4017, 0.3576



12.4658, 0.3256, 0.3238



8.7822, 0.5997, 0.3077

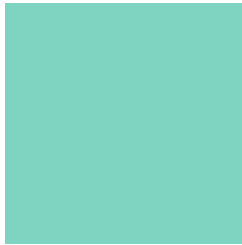


0.5424, 0.5504, 0.2806



# Previews

## White Background



This preview shows how the Yxy color 55.4492, 0.2682, 0.3547 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

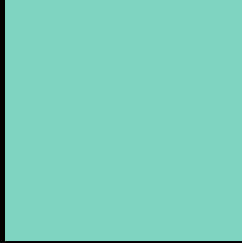
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.4492, 0.2682, 0.3547 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

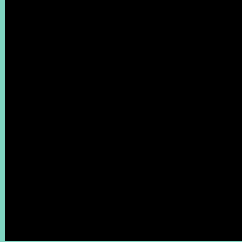
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

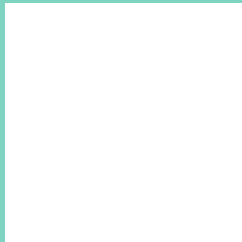
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 55.4492, 0.2682, 0.3547**

## Background



This preview shows how black text looks on a background with the Yxy color 55.4492, 0.2682, 0.3547.

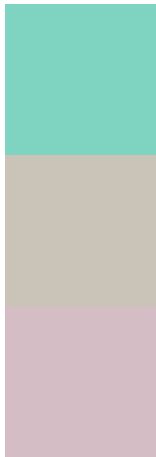


This preview shows how white text looks on a background with the Yxy color 55.4492, 0.2682, 0.3547.

# 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

55.4492, 0.2682, 0.3547

### Protanopia

55.0057, 0.3275, 0.3436

### Deuteranopia

54.6185, 0.3256, 0.3185



## Tritanopia

55.1584, 0.2547, 0.3070

# Trichromacy



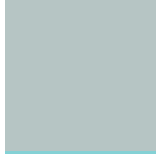
## Original Color

55.4492, 0.2682, 0.3547



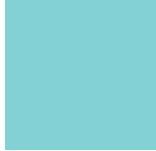
## Protanomaly

54.4751, 0.3027, 0.3469



## Deuteranomaly

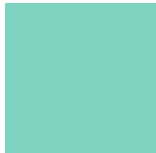
53.8631, 0.3018, 0.3302



## Tritanomaly

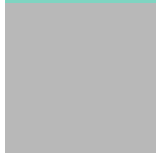
55.3106, 0.2593, 0.3236

# Monochromacy



## Original Color

55.4492, 0.2682, 0.3547



## Achromatopsia

47.9320, 0.3127, 0.3290



## Achromatomaly

49.9580, 0.2936, 0.3383

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  55.4492, 0.2682, 0.3547 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(127, 212, 193)` looks like.

```
.text, #text, p{  
    color:rgb(127, 212, 193)  
}
```

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(127, 212, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 212, 193) }
```

## Border

The CSS property to change the border of an element to Yxy 55.4492, 0.2682, 0.3547 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(127, 212, 193) }
```

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

```
.border{ border-color:rgb(127, 212, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 212, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 212, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 212, 193);  
box-shadow:4px 4px 4px 4px rgb(127, 212,  
193) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.4492, 0.2682, 0.3547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 212, 193) }
```

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

```
.background{ background-color: rgb(127,  
212, 193) }
```

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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