

# Converting Colors

$Yxy(55.6377, 0.2626, 0.3495)$

Have a look what the booklet for  
Yxy(55.6377, 0.2626, 0.3495)  
contains.

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# Color

**Yxy(55.7307, 0.2624, 0.3492)**

# Conversions

## Conversions Part 1

Format	Color
Hex	79D5C6
RGB	121, 213, 198
RGB Percent	47%, 84%, 78%
CMY	0.5253, 0.1647, 0.2235
CMYK	0.43, 0.00, 0.07, 0.16
HSL	170°, 52%, 65%
HSV	170°, 43%, 84%
XYZ	41.8778, 55.7307, 61.9868
YIQ	183.7820, -50.0170, -24.1690

# Conversions

## Conversions Part 2

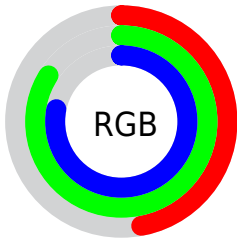
<b>Format</b>	<b>Color</b>
<b>RYB</b>	121, 171, 213
Decimal	7984582
CIELab	79.46, -31.00, -1.17
CIELCh	79, 31.021, 182.165
Yxy	55.7307, 0.2624, 0.3492
Android (android.graphics.Color)	4286174662 (0xFF79D5C6)
YUV	183.7820, 7.0095, -55.0598
Hunter-Lab	74.6530, -30.5102, 3.0267

# Details

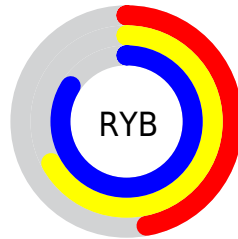
The Yxy color **55.7307, 0.2624, 0.3492** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **29.6080, 0.4063, 0.3107**, and the grayscale version is **47.7939, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2050, 0.2691, 0.3289**, and **27.5573, 0.2496, 0.3550** is the 20% darker color. If you saturate the color by 10%, you get **54.2013, 0.2541, 0.3547**, and if you desaturate by 10%, it is **57.6079, 0.2723, 0.3439**.

# Distribution



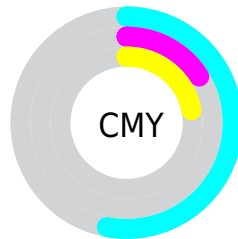
- Red (47%)
- Green (84%)
- Blue (78%)



- Red (47%)
- Yellow (67%)
- Blue (84%)



- Cyan (43%)
- Magenta (0%)
- Yellow (7%)
- Black (16%)



- Cyan (53%)
- Magenta (16%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.7307, 0.2624, 0.3492 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 55.7307, 0.2624, 0.3492 by changing the saturation by 10% instead.





 55.7307, 0.2624,  
0.3492


 55.7307, 0.2624,  
0.3492

408.6758, 0.2866,  
0.3396

 39.9870, 0.2566,  
0.3515


 98.6107, 0.2710,  
0.3458

 27.5284, 0.2494,  
0.3543


 126.5159, 0.2743,  
0.3445

 17.9705, 0.2400,  
0.3580

 159.2437, 0.2771,  
0.3434

 10.9288, 0.2274,  
0.3629

197.1785, 0.2795,  
0.3424

 6.0190, 0.2096,  
0.3696

240.7047, 0.2816,  
0.3416

 2.8566, 0.1828,  
0.3796

290.2067, 0.2835,

 1.0573, 0.0939,

0.3408

0.4159

346.0690, 0.2852,  
0.3402

0.0000, 0.0000,  
0.0000

55.7307, 0.2624,  
0.3492

55.7307, 0.2624,  
0.3492

54.2013, 0.2541,  
0.3547

57.6079, 0.2723,  
0.3439

52.9905, 0.2475,  
0.3604

59.8469, 0.2835,  
0.3390

52.0751, 0.2428,  
0.3662


62.4687, 0.2956,  
0.3344


51.4259, 0.2401,  
0.3721

65.4911, 0.3085,  
0.3302


51.0076, 0.2392,  
0.3779


68.9306, 0.3218,  
0.3265

 50.8137, 0.2394,  
0.3818

 72.8026, 0.3353,  
0.3231

 74.1373, 0.3375,  
0.3197

 74.3256, 0.3350,  
0.3162

 74.5177, 0.3325,  
0.3128

# Harmonies

## Analogous

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



55.7307, 0.2974, 0.3848



55.7307, 0.2624, 0.3492



55.7307, 0.2414, 0.3096

# Triad

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



55.7307, 0.2624, 0.3492



55.7307, 0.2839, 0.2655



55.7307, 0.3928, 0.3725

# Complementary

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



55.7307, 0.2624, 0.3492



29.6080, 0.4063, 0.3107

# 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.



55.7307, 0.3896, 0.3405



55.7307, 0.2624, 0.3492



55.7307, 0.3244, 0.2812

# Square

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



55.7307, 0.2624, 0.3492



55.7307, 0.2532, 0.2641



55.7307, 0.3639, 0.3079



55.7307, 0.3733, 0.3961



# Rectangle

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



55.7307, 0.2624, 0.3492



55.7307, 0.2373, 0.2877



55.7307, 0.3639, 0.3079



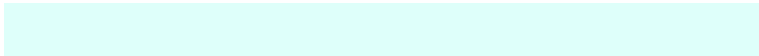
55.7307, 0.3944, 0.3623

# Sweetspot

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



55.7329, 0.2624, 0.3492



93.9030, 0.2957, 0.3344



54.2333, 0.3167, 0.4585



19.9000, 0.2929, 0.3354



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.



55.7329, 0.2624, 0.3492



81.5931, 0.2545, 0.3544



42.4688, 0.2473, 0.2862



14.0715, 0.3004, 0.3328



31.0531, 0.2392, 0.3810



1.8825, 0.2364, 0.3710



# Inverse Universe

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



29.6080, 0.4063, 0.3107



37.2910, 0.4391, 0.3073



37.8836, 0.4079, 0.3673



12.4535, 0.3266, 0.3252



8.7241, 0.6155, 0.3164



0.5367, 0.5713, 0.2921



# Previews

## White Background



This preview shows how the Yxy color 55.7307, 0.2624, 0.3492 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

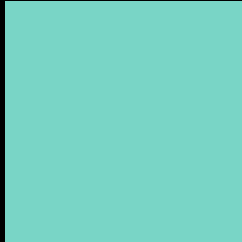
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.7307, 0.2624, 0.3492 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

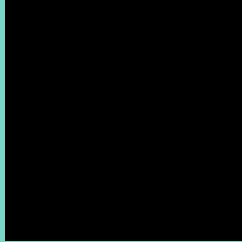
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

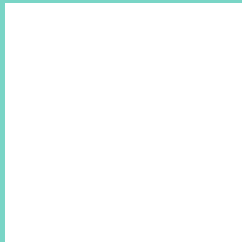
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 55.7307, 0.2624, 0.3492**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.7307, 0.2624, 0.3492.

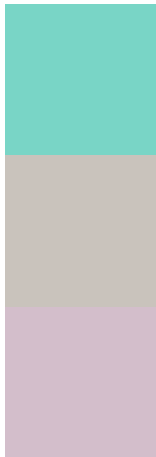


This preview shows how white text looks on a background with the Yxy color 55.7307, 0.2624, 0.3492.

# 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

55.7307, 0.2624, 0.3492

### Protanopia

55.0786, 0.3228, 0.3375

### Deuteranopia

54.9876, 0.3200, 0.3138



## Tritanopia

55.7590, 0.2509, 0.3070

# Trichromacy



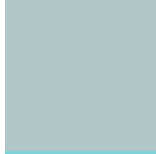
## Original Color

55.7307, 0.2624, 0.3492



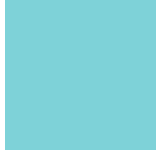
## Protanomaly

54.8175, 0.2971, 0.3417



## Deuteranomaly

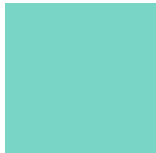
54.0702, 0.2953, 0.3252



## Tritanomaly

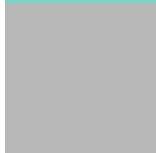
55.4867, 0.2548, 0.3209

# Monochromacy



## Original Color

55.7307, 0.2624, 0.3492



## Achromatopsia

47.9320, 0.3127, 0.3290



## Achromatomaly

50.2814, 0.2908, 0.3369

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.7307, 0.2624, 0.3492 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(121, 213, 198)` looks like.

```
.text, #text, p{  
    color:rgb(121, 213, 198)  
}
```

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(121, 213, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 213, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 55.7307, 0.2624, 0.3492 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(121, 213, 198) }
```

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

```
.border{ border-color:rgb(121, 213, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 213, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 213, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 213, 198);  
box-shadow:4px 4px 4px 4px rgb(121, 213,  
198) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.7307, 0.2624, 0.3492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 213, 198) }
```

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

```
.background{ background-color: rgb(121,  
213, 198) }
```

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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