

# Converting Colors

$Y_{xy}(55.3290, 0.2614, 0.3400)$

Have a look what the booklet for  
Yxy(55.3290, 0.2614, 0.3400)  
contains.

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# Color

**Yxy(55.2603, 0.2614, 0.3396)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7DD3CB
RGB	125, 211, 203
RGB Percent	49%, 83%, 80%
CMY	0.5096, 0.1726, 0.2039
CMYK	0.41, 0.00, 0.04, 0.17
HSL	174°, 49%, 66%
HSV	174°, 41%, 83%
XYZ	42.5355, 55.2603, 64.9260
YIQ	184.3740, -48.6880, -20.7200

# Conversions

## Conversions Part 2

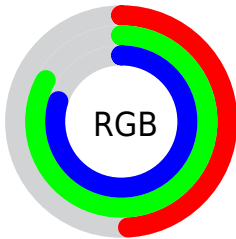
Format	Color
<b>RYB</b>	125, 170, 211
Decimal	8246219
CIELab	79.19, -27.86, -4.22
CIELCh	79, 28.173, 188.606
Yxy	55.2603, 0.2614, 0.3396
Android (android.graphics.Color)	4286436299 (0xFF7DD3CB)
YUV	184.3740, 9.1826, -52.0710
Hunter-Lab	74.3373, -27.9533, 0.2524

# Details

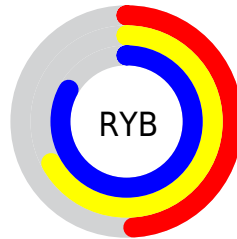
The Yxy color **55.2603, 0.2614, 0.3396** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **30.2204, 0.4060, 0.3192**, and the grayscale version is **48.1247, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5638, 0.2706, 0.3289**, and **27.2121, 0.2483, 0.3418** is the 20% darker color. If you saturate the color by 10%, you get **53.7460, 0.2521, 0.3426**, and if you desaturate by 10%, it is **57.1175, 0.2723, 0.3367**.

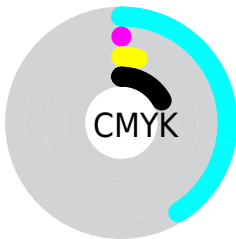
# Distribution



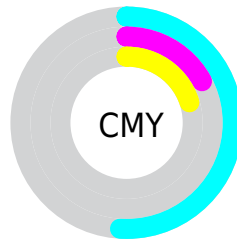
- Red (49%)
- Green (83%)
- Blue (80%)



- Red (49%)
- Yellow (67%)
- Blue (83%)



- Cyan (41%)
- Magenta (0%)
- Yellow (4%)
- Black (17%)




- Cyan (51%)
- Magenta (17%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.2603, 0.2614, 0.3396 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 55.2603, 0.2614, 0.3396 by changing the saturation by 10% instead.




 55.2603, 0.2614,  
0.3396


 55.2603, 0.2614,  
0.3396

406.8979, 0.2860,  
0.3348

 39.6102, 0.2555,  
0.3407

 97.9222, 0.2701,  
0.3380

 27.2347, 0.2482,  
0.3420


 125.7028, 0.2735,  
0.3373

 17.7496, 0.2387,  
0.3435


 158.2957, 0.2763,  
0.3368

 10.7704, 0.2260,  
0.3455

196.0852, 0.2788,  
0.3363

 5.9126, 0.2082,  
0.3480

239.4558, 0.2810,  
0.3358

 2.7920, 0.1815,  
0.3510

288.7918, 0.2829,

 1.0241, 0.1031,

0.3354

0.3679

344.4777, 0.2845,  
0.3351

0.0000, 0.0000,  
0.0000

55.2603, 0.2614,  
0.3396

55.2603, 0.2614,  
0.3396

53.7460, 0.2521,  
0.3426

57.1175, 0.2723,  
0.3367

52.5465, 0.2445,  
0.3458

59.3306, 0.2845,  
0.3340

51.6399, 0.2389,  
0.3489

61.9201, 0.2977,  
0.3315


50.9987, 0.2352,  
0.3521

64.9028, 0.3117,  
0.3292

50.5903, 0.2333,  
0.3553


68.2946, 0.3261,  
0.3271

 50.3656, 0.2328,  
0.3582

 72.1105, 0.3407,  
0.3252

 72.8437, 0.3418,  
0.3233

 72.9463, 0.3404,  
0.3213

 73.0500, 0.3389,  
0.3193

# Harmonies

## Analogous

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



55.2603, 0.2913, 0.3736



55.2603, 0.2614, 0.3396



55.2603, 0.2454, 0.3046

# Triad

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



55.2603, 0.2614, 0.3396



55.2603, 0.2940, 0.2727



55.2603, 0.3835, 0.3746

# Complementary

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



55.2603, 0.2614, 0.3396



30.2204, 0.4060, 0.3192

# 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.



55.2603, 0.3851, 0.3464



55.2603, 0.2614, 0.3396



55.2603, 0.3317, 0.2898

# Square

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



55.2603, 0.2614, 0.3396



55.2603, 0.2633, 0.2686



55.2603, 0.3658, 0.3160



55.2603, 0.3621, 0.3930



# Rectangle

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



55.2603, 0.2614, 0.3396



55.2603, 0.2439, 0.2863



55.2603, 0.3658, 0.3160



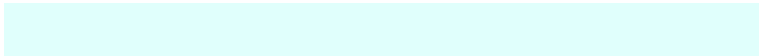
55.2603, 0.3864, 0.3659

# Sweetspot

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



55.2625, 0.2614, 0.3396



94.4693, 0.2958, 0.3318



53.1077, 0.3127, 0.4516



20.1030, 0.2940, 0.3321



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

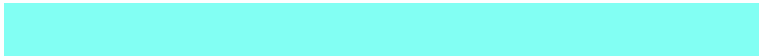


# Same Dimension

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



55.2625, 0.2614, 0.3396



82.7638, 0.2531, 0.3423



40.3584, 0.2495, 0.2808



13.3873, 0.2995, 0.3312



30.4045, 0.2327, 0.3577



1.7057, 0.2311, 0.3519



# Inverse Universe

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



30.2204, 0.4060, 0.3192



39.1817, 0.4382, 0.3174



40.2724, 0.3977, 0.3721



11.8258, 0.3276, 0.3269



8.3942, 0.6286, 0.3237

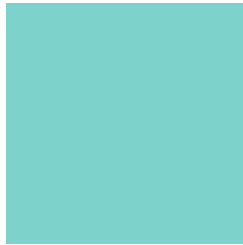


0.4756, 0.5964, 0.3059



# Previews

## White Background



This preview shows how the Yxy color 55.2603, 0.2614, 0.3396 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

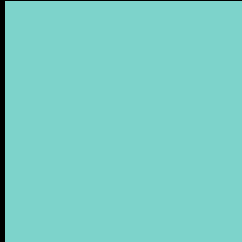
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.2603, 0.2614, 0.3396 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

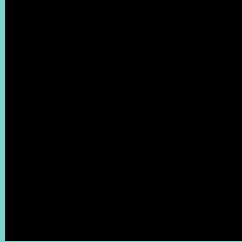
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

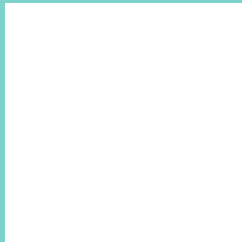
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 55.2603, 0.2614, 0.3396**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.2603, 0.2614, 0.3396.

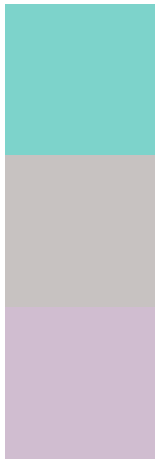


This preview shows how white text looks on a background with the Yxy color 55.2603, 0.2614, 0.3396.

# 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

55.2603, 0.2614, 0.3396

### Protanopia

54.5759, 0.3175, 0.3302

### Deuteranopia

54.3592, 0.3138, 0.3068



## Tritanopia

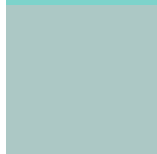
55.3189, 0.2528, 0.3082

# Trichromacy



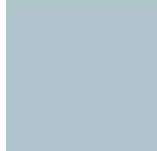
## Original Color

55.2603, 0.2614, 0.3396



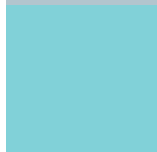
## Protanomaly

54.1104, 0.2936, 0.3328



## Deuteranomaly

53.8537, 0.2918, 0.3177



## Tritanomaly

55.2259, 0.2561, 0.3197

# Monochromacy



## Original Color

55.2603, 0.2614, 0.3396



## Achromatopsia

47.9320, 0.3127, 0.3290



## Achromatomaly

50.1317, 0.2909, 0.3329

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.2603, 0.2614, 0.3396 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(125, 211, 203)` looks like.

```
.text, #text, p{  
    color:rgb(125, 211, 203)  
}
```

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(125, 211, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 211, 203) }
```

## Border

The CSS property to change the border of an element to Yxy 55.2603, 0.2614, 0.3396 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(125, 211, 203) }
```

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

```
.border{ border-color:rgb(125, 211, 203) }
```

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

Here you see how a box with a 4 pixel rgb(125, 211, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 211, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 211, 203);  
box-shadow:4px 4px 4px 4px rgb(125, 211,  
203) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.2603, 0.2614, 0.3396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 211, 203) }
```

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

```
.background{ background-color: rgb(125,  
211, 203) }
```

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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