

# Converting Colors

$Yxy(56.0325, 0.2694, 0.3590)$

Have a look what the booklet for  
Yxy(56.0325, 0.2694, 0.3590)  
contains.

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# Color

**Yxy(55.8621, 0.2695, 0.3588)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7FD5BF
RGB	127, 213, 191
RGB Percent	50%, 84%, 75%
CMY	0.5017, 0.1647, 0.2509
CMYK	0.40, 0.00, 0.10, 0.16
HSL	165°, 51%, 67%
HSV	165°, 40%, 84%
XYZ	41.9589, 55.8621, 57.8705
YIQ	184.7780, -44.1940, -25.0740

# Conversions

## Conversions Part 2

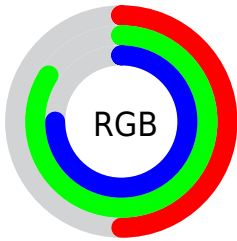
<b>Format</b>	<b>Color</b>
<b>RYB</b>	127, 176, 213
Decimal	8377791
CIELab	79.54, -31.08, 2.71
CIELCh	80, 31.194, 175.015
Yxy	55.8621, 0.2695, 0.3588
Android (android.graphics.Color)	4286567871 (0xFF7FD5BF)
YUV	184.7780, 3.0674, -50.6713
Hunter-Lab	74.7410, -30.5885, 6.4115

# Details

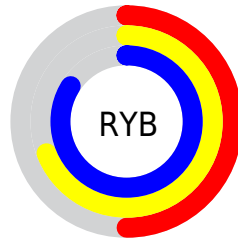
The Yxy color **55.8621, 0.2695, 0.3588** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.5117, 0.3877, 0.3019**, and the grayscale version is **48.3964, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3027, 0.2755, 0.3375**, and **27.6664, 0.2581, 0.3664** is the 20% darker color. If you saturate the color by 10%, you get **54.1617, 0.2615, 0.3676**, and if you desaturate by 10%, it is **57.9216, 0.2789, 0.3505**.

# Distribution



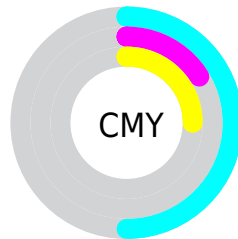
- Red (50%)
- Green (84%)
- Blue (75%)



- Red (50%)
- Yellow (69%)
- Blue (84%)



- Cyan (40%)
- Magenta (0%)
- Yellow (10%)
- Black (16%)




- Cyan (50%)
- Magenta (16%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.8621, 0.2695, 0.3588 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 55.8621, 0.2695, 0.3588 by changing the saturation by 10% instead.





 55.8621, 0.2695,  
0.3588

 55.8621, 0.2695,  
0.3588


409.1716, 0.2905,  
0.3442

 40.0924, 0.2645,  
0.3624


 98.8029, 0.2770,  
0.3536

 27.6106, 0.2581,  
0.3669


 126.7428, 0.2798,  
0.3516

 18.0323, 0.2498,  
0.3728


 159.5082, 0.2823,  
0.3499

 10.9732, 0.2386,  
0.3809

197.4835, 0.2844,  
0.3484

 6.0488, 0.2225,  
0.3927

241.0531, 0.2862,  
0.3472

 2.8748, 0.1979,  
0.4112

290.6014, 0.2878,

 1.0667, 0.1077,

0.3461

0.4697

346.5127, 0.2892,  
0.3451

0.0000, 0.0000,  
0.0000

55.8621, 0.2695,  
0.3588

55.8621, 0.2695,  
0.3588

54.1617, 0.2615,  
0.3676

57.9216, 0.2789,  
0.3505

52.7917, 0.2551,  
0.3769

60.3536, 0.2893,  
0.3427

51.7297, 0.2506,  
0.3863


63.1791, 0.3006,  
0.3356


50.9476, 0.2481,  
0.3959


66.4152, 0.3123,  
0.3292


50.4122, 0.2476,  
0.4055

70.0784, 0.3243,  
0.3234

 50.0716, 0.2485,  
0.4147

 74.1841, 0.3364,  
0.3183

 74.5104, 0.3325,  
0.3129

 74.8197, 0.3287,  
0.3075

 75.1387, 0.3249,  
0.3022

# Harmonies

## Analogous

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



55.8621, 0.3069, 0.3913



55.8621, 0.2695, 0.3588



55.8621, 0.2446, 0.3185

# Triad

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



55.8621, 0.2695, 0.3588



55.8621, 0.2752, 0.2634



55.8621, 0.3946, 0.3655

# Complementary

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



55.8621, 0.2695, 0.3588



31.5117, 0.3877, 0.3019

# 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.



55.8621, 0.3857, 0.3325



55.8621, 0.2695, 0.3588



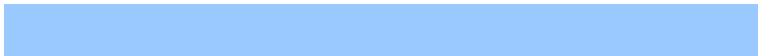
55.8621, 0.3144, 0.2761

# Square

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



55.8621, 0.2695, 0.3588



55.8621, 0.2478, 0.2659



55.8621, 0.3555, 0.3007



55.8621, 0.3800, 0.3920



# Rectangle

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



55.8621, 0.2695, 0.3588



55.8621, 0.2375, 0.2947



55.8621, 0.3555, 0.3007



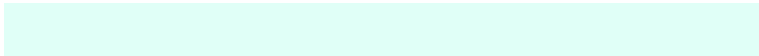
55.8621, 0.3943, 0.3548

# Sweetspot

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



55.8643, 0.2695, 0.3588



94.1575, 0.2985, 0.3369



55.6010, 0.3229, 0.4465



20.0292, 0.2970, 0.3378



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.



55.8643, 0.2695, 0.3588



81.8395, 0.2629, 0.3660



47.4355, 0.2533, 0.3016



14.0511, 0.3016, 0.3350



30.6056, 0.2481, 0.4133



1.8590, 0.2436, 0.3969



# Inverse Universe

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



31.5117, 0.3877, 0.3019



40.6025, 0.4112, 0.2968



36.5822, 0.4040, 0.3542



12.4724, 0.3251, 0.3231



8.8206, 0.5898, 0.3023



0.5456, 0.5399, 0.2748



# Previews

## White Background



This preview shows how the Yxy color 55.8621, 0.2695, 0.3588 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

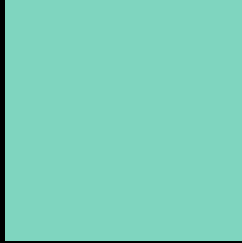
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.8621, 0.2695, 0.3588 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

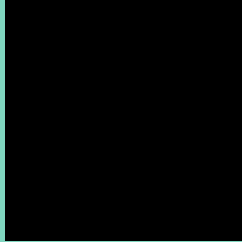
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

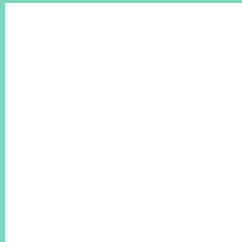
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 55.8621, 0.2695, 0.3588**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.8621, 0.2695, 0.3588.



This preview shows how white text looks on a background with the Yxy color 55.8621, 0.2695, 0.3588.

# 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

55.8621, 0.2695, 0.3588

### Protanopia

55.0629, 0.3298, 0.3460

### Deuteranopia

55.2595, 0.3287, 0.3221



## Tritanopia

55.7822, 0.2549, 0.3071

# Trichromacy



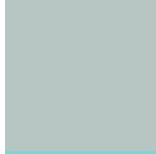
## Original Color

55.8621, 0.2695, 0.3588



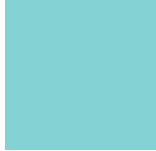
## Protanomaly

54.8578, 0.3041, 0.3508



## Deuteranomaly

54.3505, 0.3039, 0.3340



## Tritanomaly

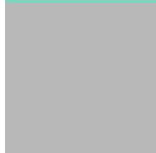
55.8838, 0.2601, 0.3249

# Monochromacy



## Original Color

55.8621, 0.2695, 0.3588



## Achromatopsia

48.5150, 0.3127, 0.3290



## Achromatomaly

50.5106, 0.2944, 0.3395

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.8621, 0.2695, 0.3588 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, 213, 191)` looks like.

```
.text, #text, p{  
    color:rgb(127, 213, 191)  
}
```

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, 213, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 213, 191) }
```

## Border

The CSS property to change the border of an element to Yxy 55.8621, 0.2695, 0.3588 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, 213, 191) }
```

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

```
.border{ border-color:rgb(127, 213, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 213, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 213, 191); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 213, 191); box-shadow:4px 4px 4px 4px rgb(127, 213, 191) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.8621, 0.2695, 0.3588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 213, 191) }
```

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

```
.background{ background-color: rgb(127,  
213, 191) }
```

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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