

# Converting Colors

$Yxy(55.2870, 0.2726, 0.3147)$

Have a look what the booklet for  
Yxy(55.2870, 0.2726, 0.3147)  
contains.

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# Color

**Yxy(55.3611, 0.2729, 0.3150)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9ECCD7
RGB	158, 204, 215
RGB Percent	62%, 80%, 84%
CMY	0.3802, 0.2000, 0.1570
CMYK	0.26, 0.05, 0.00, 0.16
HSL	192°, 42%, 73%
HSV	192°, 26%, 84%
XYZ	47.9620, 55.3611, 72.4264
YIQ	191.5000, -30.9470, -6.3310

# Conversions

## Conversions Part 2

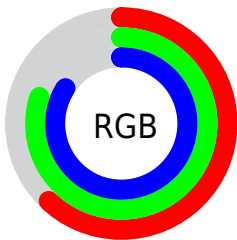
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	158, 183, 215
Decimal	10407127
CIE Lab	79.25, -12.49, -10.36
CIE LCh	79, 16.228, 219.689
Yxy	55.3611, 0.2729, 0.3150
Android (android.graphics.Color)	4288597207 (0xFF9ECCD7)
YUV	191.5000, 11.5855, -29.3795
Hunter-Lab	74.4050, -15.1464, -5.6298

# Details

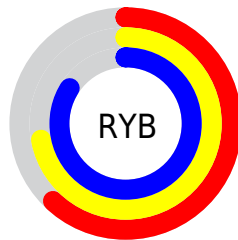
The Yxy color **55.3611, 0.2729, 0.3150** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.2946, 0.3659, 0.3425**, and the grayscale version is **52.3556, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0361, 0.2883, 0.3289**, and **27.3540, 0.2630, 0.3117** is the 20% darker color. If you saturate the color by 10%, you get **51.4265, 0.2590, 0.3089**, and if you desaturate by 10%, it is **59.7339, 0.2876, 0.3207**.

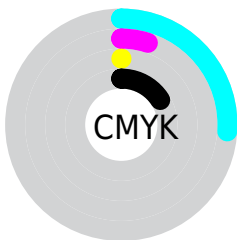
# Distribution



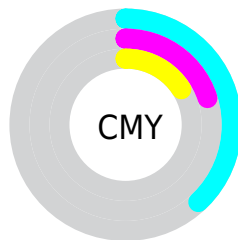
- Red (62%)
- Green (80%)
- Blue (84%)



- Red (62%)
- Yellow (72%)
- Blue (84%)



- Cyan (26%)
- Magenta (5%)
- Yellow (0%)
- Black (16%)




- Cyan (38%)
- Magenta (20%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.3611, 0.2729, 0.3150 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 55.3611, 0.2729, 0.3150 by changing the saturation by 10% instead.





 55.3611, 0.2729,  
0.3150

 55.3611, 0.2729,  
0.3150


407.2793, 0.2920,  
0.3221

 39.6909, 0.2684,  
0.3132

 98.0698, 0.2797,  
0.3176

 27.2976, 0.2627,  
0.3109


 125.8771, 0.2822,  
0.3185

 17.7969, 0.2554,  
0.3079


158.4990, 0.2845,  
0.3194

 10.8043, 0.2456,  
0.3037

196.3197, 0.2864,  
0.3201

 5.9354, 0.2318,  
0.2974

239.7236, 0.2880,  
0.3207

 2.8058, 0.2111,  
0.2873

289.0953, 0.2895,

 1.0312, 0.1745,

0.3212

0.2692

344.8191, 0.2908,  
0.3217

0.0000, 0.0000,  
0.0000

55.3611, 0.2729,  
0.3150

55.3611, 0.2729,  
0.3150

51.4265, 0.2590,  
0.3089

59.7339, 0.2876,  
0.3207

47.9031, 0.2463,  
0.3025

64.5570, 0.3027,  
0.3259

44.7711, 0.2351,  
0.2957

69.8503, 0.3181,  
0.3306

42.0062, 0.2255,  
0.2888

75.6303, 0.3335,  
0.3349

39.5808, 0.2178,  
0.2818

79.8607, 0.3410,  
0.3389

■ 37.4630, 0.2121,  
0.2747

■ 82.1243, 0.3403,  
0.3430

■ 35.6121, 0.2082,  
0.2678

■ 84.4427, 0.3397,  
0.3471

■ 34.9986, 0.2071,  
0.2654

■ 86.8162, 0.3390,  
0.3511

■ 89.2451, 0.3384,  
0.3551

# Harmonies

## Analogous

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



55.3611, 0.2824, 0.3347



55.3611, 0.2729, 0.3150



55.3611, 0.2736, 0.3001

# Triad

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



55.3611, 0.2729, 0.3150



55.3611, 0.3247, 0.3063



55.3611, 0.3410, 0.3660

# Complementary

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



55.3611, 0.2729, 0.3150



45.2946, 0.3659, 0.3425

# 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.



55.3611, 0.3532, 0.3567



55.3611, 0.2729, 0.3150



55.3611, 0.3437, 0.3224

# Square

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



55.3611, 0.2729, 0.3150



55.3611, 0.3030, 0.2958



55.3611, 0.3543, 0.3407



55.3611, 0.3214, 0.3651



# Rectangle

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



55.3611, 0.2729, 0.3150



55.3611, 0.2798, 0.2946



55.3611, 0.3543, 0.3407



55.3611, 0.3461, 0.3639

# Sweetspot

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



55.3633, 0.2729, 0.3150



93.8512, 0.3003, 0.3251



58.7041, 0.3026, 0.3902



19.8513, 0.2980, 0.3243



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.



55.3633, 0.2729, 0.3150



78.0429, 0.2647, 0.3115



43.2570, 0.2694, 0.2780



13.6821, 0.2983, 0.3244



21.0891, 0.2073, 0.2664



1.3788, 0.2107, 0.2784



# Inverse Universe

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



43.2711, 0.3254, 0.2753



57.5489, 0.3288, 0.2632



56.8194, 0.3575, 0.3752



12.5897, 0.3167, 0.3104



10.4738, 0.3762, 0.1846

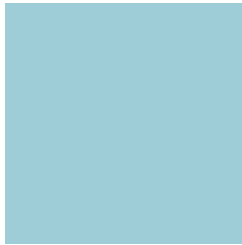


0.6425, 0.3650, 0.1784



# Previews

## White Background



This preview shows how the Yxy color 55.3611, 0.2729, 0.3150 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

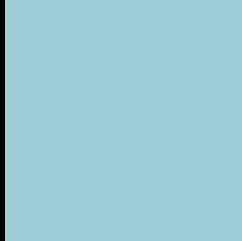
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.3611, 0.2729, 0.3150 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

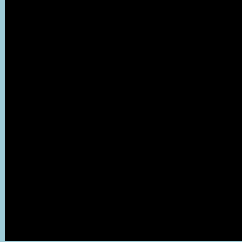
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

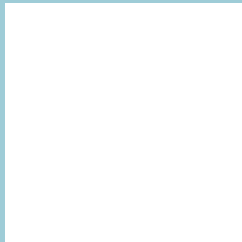
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 55.3611, 0.2729, 0.3150**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.3611, 0.2729, 0.3150.

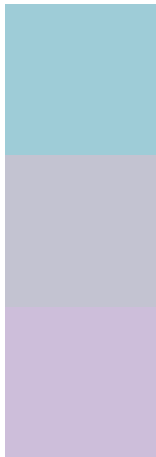


This preview shows how white text looks on a background with the Yxy color 55.3611, 0.2729, 0.3150.

# 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

55.3611, 0.2729, 0.3150

### Protanopia

55.2358, 0.3026, 0.3122

### Deuteranopia

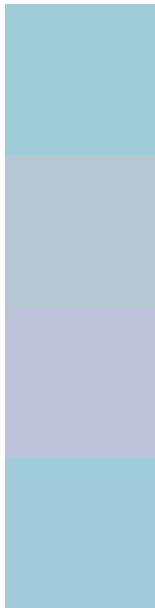
54.8680, 0.3039, 0.2965



## Tritanopia

55.2501, 0.2704, 0.3076

# Trichromacy



## Original Color

55.3611, 0.2729, 0.3150

## Protanomaly

55.0364, 0.2914, 0.3130

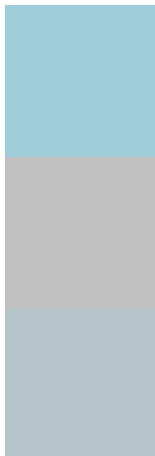
## Deuteranomaly

54.7313, 0.2917, 0.3025

## Tritanomaly

55.1448, 0.2716, 0.3100

# Monochromacy



## Original Color

55.3611, 0.2729, 0.3150

## Achromatopsia

52.7115, 0.3127, 0.3290

## Achromatomaly

53.3533, 0.2974, 0.3239

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  55.3611, 0.2729, 0.3150 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(158, 204, 215)` looks like.

```
.text, #text, p{  
    color:rgb(158, 204, 215)  
}
```

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(158, 204, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 204, 215) }
```

## Border

The CSS property to change the border of an element to Yxy 55.3611, 0.2729, 0.3150 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(158, 204, 215) }
```

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

```
.border{ border-color:rgb(158, 204, 215) }
```

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

Here you see how a box with a 4 pixel rgb(158, 204, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 204, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 204, 215);  
box-shadow:4px 4px 4px 4px rgb(158, 204,  
215) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.3611, 0.2729, 0.3150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 204, 215) }
```

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

```
.background{ background-color: rgb(158,  
204, 215) }
```

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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