

# Converting Colors

Yxy(55.1146, 0.2798, 0.3115)

Have a look what the booklet for  
Yxy(55.1146, 0.2798, 0.3115)  
contains.

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# Color

**Yxy(55.1146, 0.2798, 0.3115)**

# Conversions

Conversions Part 1	
Format	Color
Hex	A9C9D7
RGB	169, 201, 215
RGB Percent	66%, 79%, 84%
CMY	0.3374, 0.2117, 0.1569
CMYK	0.21, 0.07, 0.00, 0.16
HSL	198°, 37%, 75%
HSV	198°, 21%, 84%
XYZ	49.5058, 55.1146, 72.3125
YIQ	193.0280, -23.5660, -2.4300

# Conversions

## Conversions Part 2

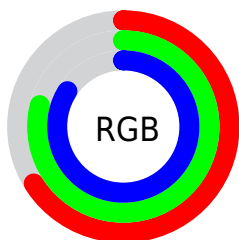
Format	Color
<a href="#">RYB</a>	<a href="#">169, 188, 215</a>
Decimal	<a href="#">11127255</a>
CIELab	<a href="#">79.11, -7.65, -10.52</a>
CIELCh	<a href="#">79, 13.005, 233.960</a>
Yxy	<a href="#">55.1146, 0.2798, 0.3115</a>
Android (android.graphics.Color)	<a href="#">4289317335</a> (0xFFA9C9D7)
YUV	<a href="#">193.0280, 10.8322, -21.0726</a>
Hunter-Lab	<a href="#">74.2392, -10.8873, -5.7838</a>

# Details

The Yxy color  $55.1146, 0.2798, 0.3115$  is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be  $51.1462, 0.3523, 0.3459$ , and the grayscale version is  $53.2875, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $94.7476, 0.2946, 0.3289$ , and  $27.1185, 0.2715, 0.3070$  is the 20% darker color. If you saturate the color by 10%, you get  $49.9533, 0.2648, 0.3021$ , and if you desaturate by 10%, it is  $60.8006, 0.2952, 0.3201$ .

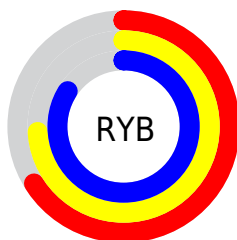
# Distribution



Red (66%)

Green (79%)

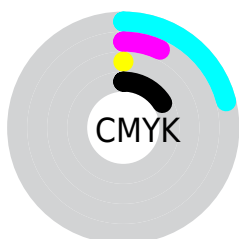
Blue (84%)



Red (66%)

Yellow (74%)

Blue (84%)

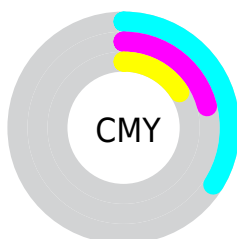


Cyan (21%)

Magenta (7%)

Yellow (0%)

Black (16%)



Cyan (34%)

Magenta (21%)


Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.1146, 0.2798, 0.3115 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 55.1146, 0.2798, 0.3115 by changing the saturation by 10% instead.




 55.1146, 0.2798,  
0.3115

 55.1146, 0.2798,  
0.3115


406.3462, 0.2956,  
0.3202

 39.4935, 0.2760,  
0.3094


 97.7088, 0.2854,  
0.3146

 27.1438, 0.2713,  
0.3067


125.4508, 0.2876,  
0.3158

 17.6813, 0.2652,  
0.3031


158.0017, 0.2894,  
0.3168

 10.7214, 0.2569,  
0.2982

195.7461, 0.2910,  
0.3177

 5.8798, 0.2453,  
0.2911

239.0684, 0.2924,  
0.3184

 2.7721, 0.2276,  
0.2798

288.3529, 0.2936,


 1.0140, 0.1975,


0.3191


0.2596


343.9840, 0.2947,  
0.3196


 0.0000, 0.0000,  
0.0000


 55.1146, 0.2798,  
0.3115


 55.1146, 0.2798,  
0.3115


 49.9533, 0.2648,  
0.3021


 60.8006, 0.2952,  
0.3201


 45.2893, 0.2504,  
0.2920


 67.0239, 0.3106,  
0.3280


 41.1026, 0.2370,  
0.2813

 73.8049, 0.3257,  
0.3350

 37.3686, 0.2251,  
0.2701

 81.1610, 0.3405,  
0.3413

 34.0605, 0.2148,  
0.2586

 84.8110, 0.3396,  
0.3477

■ 31.1474, 0.2064,  
0.2470

■ 88.5884, 0.3386,  
0.3540

■ 28.5928, 0.2001,  
0.2355

■ 92.5040, 0.3376,  
0.3603

■ 26.6325, 0.1961,  
0.2258

■ 96.5592, 0.3366,  
0.3664

■ 97.6859, 0.3364,  
0.3681

# Harmonies

## Analogous

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



55.1146, 0.2837, 0.3260



55.1146, 0.2798, 0.3115



55.1146, 0.2844, 0.3023

# Triad

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



55.1146, 0.2798, 0.3115



55.1146, 0.3302, 0.3165



55.1146, 0.3285, 0.3593

# Complementary

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



55.1146, 0.2798, 0.3115



51.1462, 0.3523, 0.3459

# 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.



55.1146, 0.3415, 0.3557



55.1146, 0.2798, 0.3115



55.1146, 0.3426, 0.3308

# Square

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



55.1146, 0.2798, 0.3115



55.1146, 0.3132, 0.3054



55.1146, 0.3468, 0.3452



55.1146, 0.3115, 0.3543



# Rectangle

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



55.1146, 0.2798, 0.3115



55.1146, 0.2918, 0.3001



55.1146, 0.3468, 0.3452



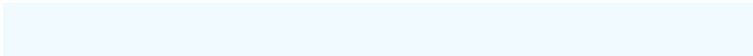
55.1146, 0.3335, 0.3591

# Sweetspot

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



55.1168, 0.2798, 0.3115



94.2852, 0.3034, 0.3244



60.4357, 0.3010, 0.3700



20.0516, 0.3024, 0.3239



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

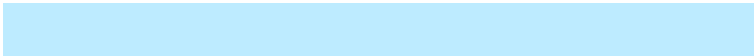


# Same Dimension

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



55.1168, 0.2798, 0.3115



77.3452, 0.2725, 0.3070



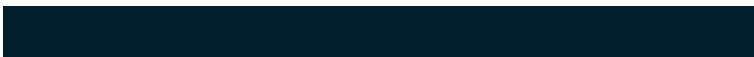
45.2408, 0.2777, 0.2819



13.4419, 0.2982, 0.3218



16.1253, 0.1965, 0.2275



1.1152, 0.2020, 0.2471



# Inverse Universe

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



47.0224, 0.3269, 0.2915



63.5172, 0.3309, 0.2827



61.3474, 0.3469, 0.3721



12.5655, 0.3184, 0.3129



9.9727, 0.4153, 0.2061

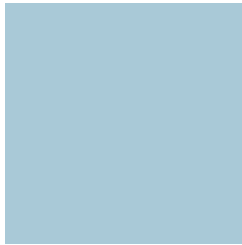


0.6159, 0.3951, 0.1950



# Previews

## White Background



This preview shows how the Yxy color 55.1146, 0.2798, 0.3115 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

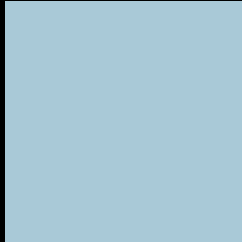
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.1146, 0.2798, 0.3115 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

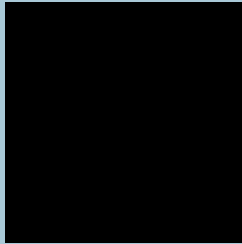
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

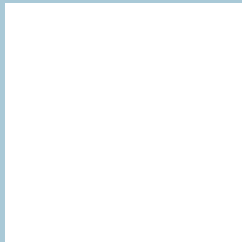
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 55.1146, 0.2798, 0.3115**

## Background



This preview shows how black text looks on a background with the Yxy color 55.1146, 0.2798, 0.3115.



This preview shows how white text looks on a background with the Yxy color 55.1146, 0.2798, 0.3115.

# 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

55.1146, 0.2798, 0.3115

### Protanopia

54.7561, 0.3004, 0.3086

### Deuteranopia

54.6740, 0.3039, 0.2975



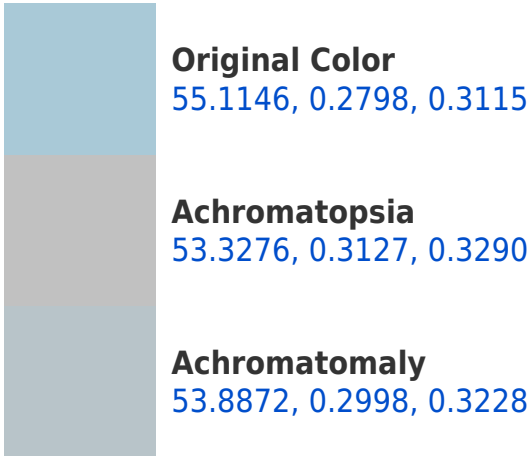
## Tritanopia

55.2181, 0.2786, 0.3090

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.1146, 0.2798, 0.3115 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(169, 201, 215) looks like.

```
.text, #text, p{  
    color:rgb(169, 201, 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(169, 201, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 201, 215) }
```

## Border

The CSS property to change the border of an element to Yxy 55.1146, 0.2798, 0.3115 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(169, 201, 215) }
```

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

```
.border{ border-color:rgb(169, 201, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 201, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 201, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 201, 215);  
box-shadow:4px 4px 4px 4px rgb(169, 201,  
215) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.1146, 0.2798, 0.3115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 201, 215) }
```

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

```
.background{ background-color: rgb(169,  
201, 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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