

# Converting Colors

Yxy(51.5317, 0.2558, 0.3123)

Have a look what the booklet for  
Yxy(51.5317, 0.2558, 0.3123)  
contains.

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# Color

**Yxy(51.2955, 0.2555, 0.3115)**

# Conversions

Conversions Part 1	
Format	Color
Hex	81C9D6
RGB	129, 201, 214
RGB Percent	51%, 79%, 84%
CMY	0.4942, 0.2117, 0.1608
CMYK	0.40, 0.06, 0.00, 0.16
HSL	189°, 51%, 67%
HSV	189°, 40%, 84%
XYZ	42.0738, 51.2955, 71.3032
YIQ	180.9540, -47.0850, -11.2210

# Conversions

## Conversions Part 2

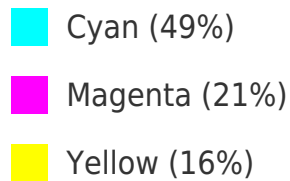
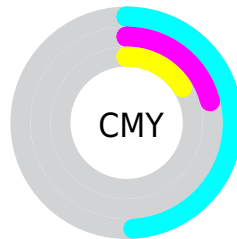
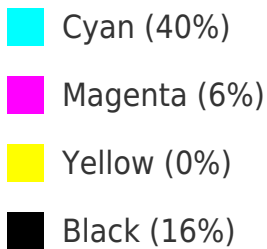
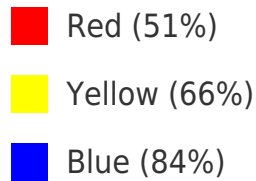
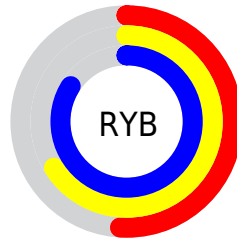
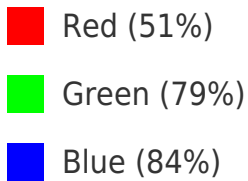
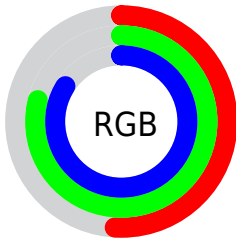
Format	Color
<a href="#">RYB</a>	<a href="#">129, 168, 214</a>
Decimal	<a href="#">8505814</a>
CIELab	<a href="#">76.86, -19.19, -13.58</a>
CIELCh	<a href="#">77, 23.506, 215.287</a>
Yxy	<a href="#">51.2955, 0.2555, 0.3115</a>
Android (android.graphics.Color)	<a href="#">4286695894</a> (0xFF81C9D6)
YUV	<a href="#">180.9540, 16.2917, -45.5637</a>
Hunter-Lab	<a href="#">71.6209, -20.4763, -8.8924</a>

# Details

The Yxy color **51.2955, 0.2555, 0.3115** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **35.2159, 0.4057, 0.3454**, and the grayscale version is **46.1091, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0543, 0.2726, 0.3289**, and **24.8265, 0.2412, 0.3069** is the 20% darker color. If you saturate the color by 10%, you get **48.2853, 0.2437, 0.3064**, and if you desaturate by 10%, it is **54.6930, 0.2687, 0.3164**.

# Distribution




# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.2955, 0.2555, 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 51.2955, 0.2555, 0.3115 by changing the saturation by 10% instead.





 51.2955, 0.2555,  
0.3115


 51.2955, 0.2555,  
0.3115


391.7108, 0.2831,  
0.3207

 36.4438, 0.2489,  
0.3091


 92.0914, 0.2653,  
0.3149

 24.7772, 0.2407,  
0.3060


 118.8045, 0.2690,  
0.3162

 15.9111, 0.2301,  
0.3017


 150.2401, 0.2722,  
0.3172

 9.4613, 0.2159,  
0.2957

186.7827, 0.2750,  
0.3181

 5.0433, 0.1960,  
0.2865

228.8167, 0.2774,  
0.3189

 2.2727, 0.1665,  
0.2711

276.7264, 0.2795,

 0.7592, 0.0834,

0.3196

0.2499

330.8963, 0.2814,  
0.3202

0.0000, 0.0000,  
0.0000

51.2955, 0.2555,  
0.3115

51.2955, 0.2555,  
0.3115

48.2853, 0.2437,  
0.3064

54.6930, 0.2687,  
0.3164

45.6342, 0.2334,  
0.3010

58.4923, 0.2829,  
0.3210

43.3194, 0.2250,  
0.2956


62.7141, 0.2978,  
0.3252


41.3126, 0.2185,  
0.2901


67.3761, 0.3131,  
0.3291


39.5805, 0.2140,  
0.2847


72.4947, 0.3286,  
0.3326

 38.0646, 0.2110,  
0.2793

 77.6332, 0.3423,  
0.3358

 38.0256, 0.2109,  
0.2792

 79.3732, 0.3418,  
0.3391

 81.1469, 0.3412,  
0.3423

 82.9547, 0.3407,  
0.3455

# Harmonies

## Analogous

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



51.2955, 0.2710, 0.3417



51.2955, 0.2555, 0.3115



51.2955, 0.2544, 0.2884

# Triad

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



51.2955, 0.2555, 0.3115



51.2955, 0.3255, 0.2930



51.2955, 0.3579, 0.3827

# Complementary

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



51.2955, 0.2555, 0.3115



35.2159, 0.4057, 0.3454

# 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.



51.2955, 0.3743, 0.3662



51.2955, 0.2555, 0.3115



51.2955, 0.3553, 0.3152

# Square

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



51.2955, 0.2555, 0.3115



51.2955, 0.2935, 0.2794



51.2955, 0.3735, 0.3415



51.2955, 0.3297, 0.3847



# Rectangle

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



51.2955, 0.2555, 0.3115



51.2955, 0.2619, 0.2796



51.2955, 0.3735, 0.3415



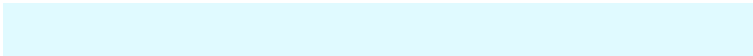
51.2955, 0.3650, 0.3785

# Sweetspot

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



51.2975, 0.2555, 0.3115



91.7040, 0.2942, 0.3242



54.7043, 0.2996, 0.4318



19.4476, 0.2922, 0.3237



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.



51.2975, 0.2555, 0.3115



72.3355, 0.2451, 0.3070



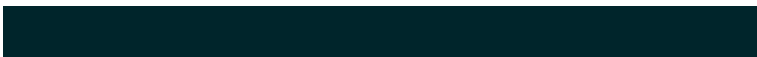
34.2238, 0.2462, 0.2512



13.7695, 0.2983, 0.3253



23.1066, 0.2111, 0.2800



1.4831, 0.2137, 0.2893



# Inverse Universe

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



34.2065, 0.3300, 0.2447



43.9991, 0.3348, 0.2275



50.2622, 0.3848, 0.3957



12.5986, 0.3161, 0.3095



10.6775, 0.3635, 0.1776

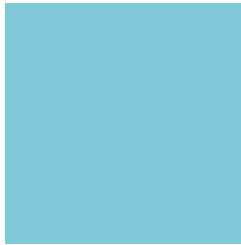


0.6530, 0.3550, 0.1729



# Previews

## White Background



This preview shows how the Yxy color 51.2955, 0.2555, 0.3115 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

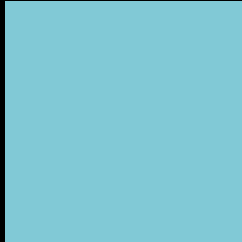
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.2955, 0.2555, 0.3115 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

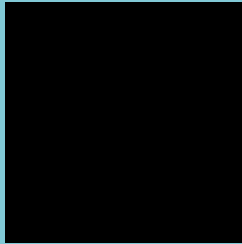
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 51.2955, 0.2555, 0.3115**

## Background



This preview shows how black text looks on a background with the Yxy color 51.2955, 0.2555, 0.3115.



This preview shows how white text looks on a background with the Yxy color 51.2955, 0.2555, 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

51.2955, 0.2555, 0.3115

### Protanopia

50.9875, 0.2985, 0.3067

### Deuteranopia

50.8123, 0.2953, 0.2883



## Tritanopia

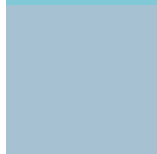
51.5289, 0.2544, 0.3077

# Trichromacy



## Original Color

51.2955, 0.2555, 0.3115



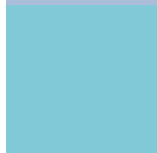
## Protanomaly

50.8504, 0.2809, 0.3085



## Deuteranomaly

50.3827, 0.2783, 0.2950



## Tritanomaly

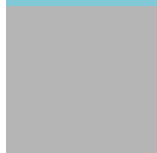
51.4770, 0.2550, 0.3089

# Monochromacy



## Original Color

51.2955, 0.2555, 0.3115



## Achromatopsia

46.2077, 0.3127, 0.3290



## Achromatomaly

47.4981, 0.2884, 0.3223

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.2955, 0.2555, 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(129, 201, 214)` looks like.

```
.text, #text, p{  
    color:rgb(129, 201, 214)  
}
```

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(129, 201, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 201, 214) }
```

## Border

The CSS property to change the border of an element to Yxy 51.2955, 0.2555, 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(129, 201, 214) }
```

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

```
.border{ border-color:rgb(129, 201, 214) }
```

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

Here you see how a box with a 4 pixel rgb(129, 201, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 201, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 201, 214);  
box-shadow:4px 4px 4px 4px rgb(129, 201,  
214) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.2955, 0.2555, 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(129, 201, 214) }
```

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

```
.background{ background-color: rgb(129,  
201, 214) }
```

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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