

# Converting Colors

Yxy(53.7284, 0.2823, 0.3173)

Have a look what the booklet for  
Yxy(53.7284, 0.2823, 0.3173)  
contains.

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# Color

**Yxy(53.6164, 0.2827, 0.3175)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A7C7D0
RGB	167, 199, 208
RGB Percent	65%, 78%, 82%
CMY	0.3452, 0.2196, 0.1843
CMYK	0.20, 0.04, 0.00, 0.18
HSL	193°, 30%, 74%
HSV	193°, 20%, 82%
XYZ	47.7397, 53.6164, 67.5144
YIQ	190.4580, -21.9610, -3.9850

# Conversions

## Conversions Part 2

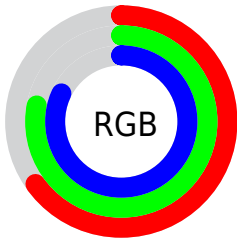
<b>Format</b>	<b>Color</b>
<b>RYB</b>	167, 185, 208
Decimal	10995664
CIELab	78.24, -8.75, -8.07
CIELCh	78, 11.898, 222.693
Yxy	53.6164, 0.2827, 0.3175
Android (android.graphics.Color)	4289185744 (0xFFA7C7D0)
YUV	190.4580, 8.6482, -20.5727
Hunter-Lab	73.2232, -11.7631, -3.4113

# Details

The Yxy color **53.6164, 0.2827, 0.3175** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.2360, 0.3494, 0.3402**, and the grayscale version is **51.7267, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4280, 0.2935, 0.3289**, and **26.1613, 0.2743, 0.3134** is the 20% darker color. If you saturate the color by 10%, you get **49.4655, 0.2681, 0.3109**, and if you desaturate by 10%, it is **58.1990, 0.2978, 0.3236**.

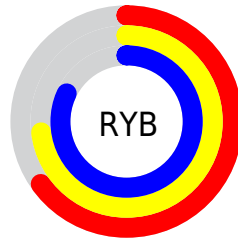
# Distribution



Red (65%)

Green (78%)

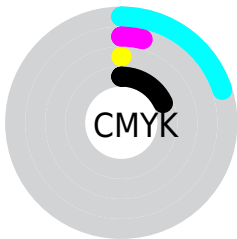
Blue (82%)



Red (65%)

Yellow (73%)

Blue (82%)

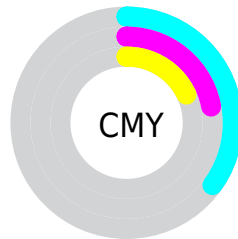


Cyan (20%)

Magenta (4%)

Yellow (0%)

Black (18%)



Cyan (35%)

Magenta (22%)


Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.6164, 0.2827, 0.3175 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 53.6164, 0.2827, 0.3175 by changing the saturation by 10% instead.





 53.6164, 0.2827,  
0.3175

 53.6164, 0.2827,  
0.3175


400.6455, 0.2972,  
0.3233

 38.2951, 0.2792,  
0.3161


 95.5108, 0.2879,  
0.3196

 26.2118, 0.2748,  
0.3142

 122.8526, 0.2898,  
0.3204

 16.9821, 0.2691,  
0.3117


154.9701, 0.2915,  
0.3211

 10.2218, 0.2614,  
0.3083

192.2476, 0.2930,  
0.3216

 5.5462, 0.2504,  
0.3032

235.0694, 0.2942,  
0.3221

 2.5712, 0.2334,  
0.2950

283.8201, 0.2954,

 0.9122, 0.2009,

0.3226

0.2805

338.8840, 0.2963,  
0.3229

0.0000, 0.0000,  
0.0000

53.6164, 0.2827,  
0.3175

53.6164, 0.2827,  
0.3175

49.4655, 0.2681,  
0.3109

58.1990, 0.2978,  
0.3236

45.7217, 0.2544,  
0.3038

63.2233, 0.3131,  
0.3291

42.3679, 0.2418,  
0.2963

68.7075, 0.3284,  
0.3341

39.3828, 0.2307,  
0.2885

74.6664, 0.3435,  
0.3386

36.7431, 0.2214,  
0.2805

77.9589, 0.3463,  
0.3431

■ 34.4220, 0.2139,  
0.2724

■ 80.4117, 0.3455,  
0.3476

■ 32.3881, 0.2085,  
0.2644

■ 82.9305, 0.3447,  
0.3521

■ 30.5856, 0.2046,  
0.2564

■ 85.5159, 0.3439,  
0.3566

■ 30.5392, 0.2045,  
0.2562

■ 88.1682, 0.3431,  
0.3610

# Harmonies

## Analogous

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



53.6164, 0.2891, 0.3318



53.6164, 0.2827, 0.3175



53.6164, 0.2841, 0.3068

# Triad

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



53.6164, 0.2827, 0.3175



53.6164, 0.3232, 0.3131



53.6164, 0.3325, 0.3566

# Complementary

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



53.6164, 0.2827, 0.3175



47.2360, 0.3494, 0.3402

# 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.



53.6164, 0.3421, 0.3507



53.6164, 0.2827, 0.3175



53.6164, 0.3368, 0.3256

# Square

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



53.6164, 0.2827, 0.3175



53.6164, 0.3072, 0.3046



53.6164, 0.3437, 0.3392



53.6164, 0.3177, 0.3550



# Rectangle

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



53.6164, 0.2827, 0.3175



53.6164, 0.2892, 0.3030



53.6164, 0.3437, 0.3392



53.6164, 0.3364, 0.3554

# Sweetspot

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



53.6186, 0.2827, 0.3175



95.0912, 0.3034, 0.3257



56.4580, 0.3042, 0.3709



20.2425, 0.3024, 0.3253



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

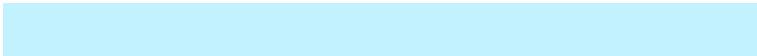


# Same Dimension

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



53.6186, 0.2827, 0.3175



81.9189, 0.2760, 0.3146



44.8433, 0.2811, 0.2907



12.9489, 0.2983, 0.3238



19.1791, 0.2048, 0.2573



1.1839, 0.2089, 0.2720



# Inverse Universe

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



45.1593, 0.3226, 0.2906



66.1403, 0.3253, 0.2814



55.8524, 0.3447, 0.3646



11.9628, 0.3171, 0.3110



10.0074, 0.3850, 0.1895



0.5708, 0.3710, 0.1817



# Previews

## White Background



This preview shows how the Yxy color 53.6164, 0.2827, 0.3175 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

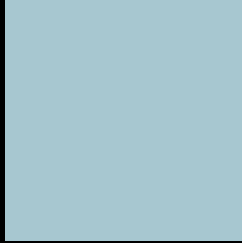
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.6164, 0.2827, 0.3175 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

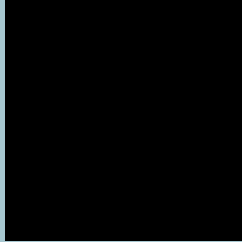
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

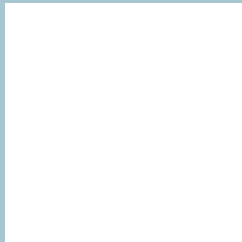
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 53.6164, 0.2827, 0.3175**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.6164, 0.2827, 0.3175.

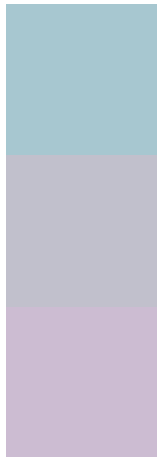


This preview shows how white text looks on a background with the Yxy color 53.6164, 0.2827, 0.3175.

# 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

53.6164, 0.2827, 0.3175

### Protanopia

53.3964, 0.3046, 0.3144

### Deuteranopia

53.4570, 0.3091, 0.3031



## Tritanopia

53.5680, 0.2795, 0.3088

# Trichromacy



## Original Color

53.6164, 0.2827, 0.3175

## Protanomaly

53.6283, 0.2970, 0.3166

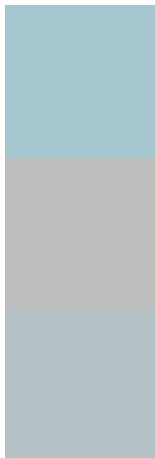
## Deuteranomaly

53.3791, 0.2995, 0.3083

## Tritanomaly

53.4665, 0.2808, 0.3113

# Monochromacy



## Original Color

53.6164, 0.2827, 0.3175

## Achromatopsia

51.4918, 0.3127, 0.3290

## Achromatomaly

52.1162, 0.3011, 0.3239

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.6164, 0.2827, 0.3175 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(167, 199, 208)` looks like.

```
.text, #text, p{  
    color:rgb(167, 199, 208)  
}
```

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(167, 199, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 199, 208) }
```

## Border

The CSS property to change the border of an element to Yxy 53.6164, 0.2827, 0.3175 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(167, 199, 208) }
```

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

```
.border{ border-color:rgb(167, 199, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 199, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 199, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 199, 208);  
box-shadow:4px 4px 4px 4px rgb(167, 199,  
208) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.6164, 0.2827, 0.3175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 199, 208) }
```

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

```
.background{ background-color: rgb(167,  
199, 208) }
```

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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