

Converting Colors

$Y_{xy}(53.5400, 0.2617, 0.3175)$

Have a look what the booklet for
Yxy(53.5400, 0.2617, 0.3175)
contains.

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Color

Yxy(53.3931, 0.2618, 0.3170)

Conversions

Conversions Part 1

Format	Color
Hex	8ACCD5
RGB	138, 204, 213
RGB Percent	54%, 80%, 84%
CMY	0.4585, 0.2000, 0.1646
CMYK	0.35, 0.04, 0.00, 0.16
HSL	187°, 47%, 69%
HSV	187°, 35%, 84%
XYZ	44.0956, 53.3931, 70.9438
YIQ	185.2920, -42.2250, -11.1930

Conversions

Conversions Part 2

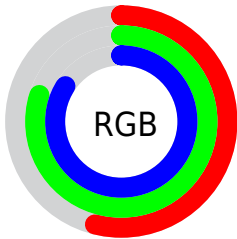
Format	Color
RYB	138, 173, 213
Decimal	9096405
CIELab	78.11, -18.56, -11.13
CIElCh	78, 21.645, 210.956
Yxy	53.3931, 0.2618, 0.3170
Android (android.graphics.Color)	4287286485 (0xFF8ACCD5)
YUV	185.2920, 13.6600, -41.4751
Hunter-Lab	73.0706, -20.1548, -6.4149

Details

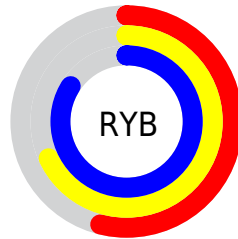
The Yxy color **53.3931, 0.2618, 0.3170** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.8883, 0.3922, 0.3405**, and the grayscale version is **48.6375, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2093, 0.2773, 0.3289**, and **26.1661, 0.2492, 0.3145** is the 20% darker color. If you saturate the color by 10%, you get **50.5415, 0.2497, 0.3131**, and if you desaturate by 10%, it is **56.6254, 0.2752, 0.3207**.

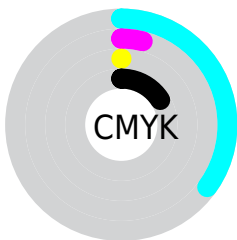
Distribution



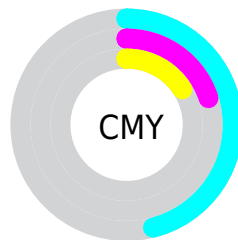
- Red (54%)
- Green (80%)
- Blue (84%)



- Red (54%)
- Yellow (68%)
- Blue (84%)



- Cyan (35%)
- Magenta (4%)
- Yellow (0%)
- Black (16%)





- Cyan (46%)
- Magenta (20%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.3931, 0.2618, 0.3170 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 53.3931, 0.2618, 0.3170 by changing the saturation by 10% instead.


 53.3931, 0.2618,
0.3170

 53.3931, 0.2618,
0.3170


399.7915, 0.2863,
0.3233


 38.1167, 0.2560,
0.3153


 95.1826, 0.2705,
0.3194

 26.0733, 0.2487,
0.3132

 122.4644, 0.2738,
0.3202

 16.8785, 0.2393,
0.3102


 154.5168, 0.2766,
0.3210

 10.1479, 0.2268,
0.3060

191.7242, 0.2791,
0.3216

 5.4971, 0.2092,
0.2995

234.4710, 0.2812,
0.3221

 2.5418, 0.1829,
0.2885

283.1415, 0.2831,

 0.8975, 0.1216,

0.3226

0.2729

338.1202, 0.2848,
0.3230

0.0000, 0.0000,
0.0000

53.3931, 0.2618,
0.3170

53.3931, 0.2618,
0.3170

50.5415, 0.2497,
0.3131

56.6254, 0.2752,
0.3207

48.0432, 0.2391,
0.3090

60.2515, 0.2896,
0.3242

45.8773, 0.2302,
0.3048

64.2913, 0.3047,
0.3274

44.0176, 0.2233,
0.3006

68.7616, 0.3202,
0.3304

42.4337, 0.2183,
0.2963

73.6783, 0.3358,
0.3330

■ 41.0887, 0.2151,
0.2922

■ 76.9316, 0.3432,
0.3355

■ 40.4937, 0.2139,
0.2902

■ 78.2846, 0.3428,
0.3381

■ 79.6583, 0.3423,
0.3407

■ 81.0528, 0.3419,
0.3432

Harmonies

Analogous

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



53.3931, 0.2778, 0.3445



53.3931, 0.2618, 0.3170



53.3931, 0.2588, 0.2946

Triad

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



53.3931, 0.2618, 0.3170



53.3931, 0.3201, 0.2938



53.3931, 0.3568, 0.3764

Complementary

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



53.3931, 0.2618, 0.3170



36.8883, 0.3922, 0.3405

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.



53.3931, 0.3696, 0.3601



53.3931, 0.2618, 0.3170



53.3931, 0.3480, 0.3132

Square

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



53.3931, 0.2618, 0.3170



53.3931, 0.2914, 0.2827



53.3931, 0.3664, 0.3371



53.3931, 0.3324, 0.3801

Rectangle

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



53.3931, 0.2618, 0.3170



53.3931, 0.2644, 0.2853



53.3931, 0.3664, 0.3371



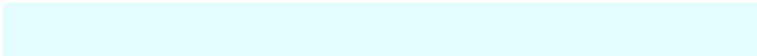
53.3931, 0.3627, 0.3721

Sweetspot

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



53.3952, 0.2618, 0.3170



92.9250, 0.2957, 0.3256



55.1089, 0.3025, 0.4215



19.7148, 0.2937, 0.3251



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.



53.3952, 0.2618, 0.3170



77.0668, 0.2528, 0.3142



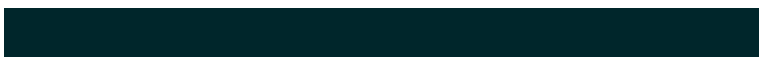
37.7820, 0.2548, 0.2653



13.8405, 0.2983, 0.3261



24.8309, 0.2141, 0.2908



1.5713, 0.2161, 0.2980

Inverse Universe

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



36.7082, 0.3253, 0.2517



48.8249, 0.3284, 0.2363



50.3888, 0.3764, 0.3851



12.6057, 0.3156, 0.3087



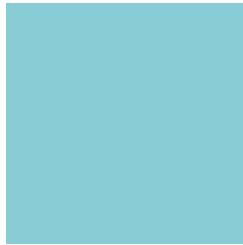
10.8515, 0.3536, 0.1722



0.6619, 0.3472, 0.1686

Previews

White Background



This preview shows how the Yxy color 53.3931, 0.2618, 0.3170 looks on a white background.

Color Contrast Check

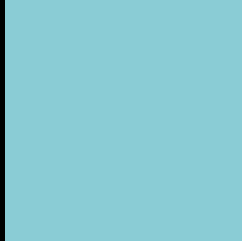
Large Text (above 18pt) WCAG AA × Fail

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 53.3931, 0.2618, 0.3170 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 53.3931, 0.2618, 0.3170

Background



This preview shows how black text looks on a background with the Yxy color 53.3931, 0.2618, 0.3170.

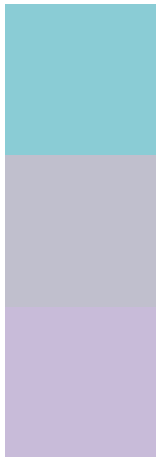


This preview shows how white text looks on a background with the Yxy color 53.3931, 0.2618, 0.3170.

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

53.3931, 0.2618, 0.3170

Protanopia

52.8758, 0.3031, 0.3119

Deuteranopia

52.8298, 0.3007, 0.2936



Tritanopia

53.4018, 0.2594, 0.3081

Trichromacy



Original Color

53.3931, 0.2618, 0.3170

Protanomaly

52.8046, 0.2861, 0.3138

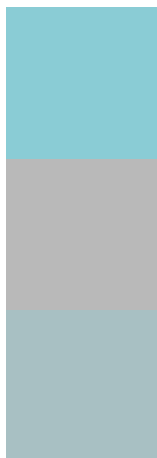
Deuteranomaly

52.4449, 0.2842, 0.3005

Tritanomaly

53.2106, 0.2599, 0.3106

Monochromacy



Original Color

53.3931, 0.2618, 0.3170

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

49.9642, 0.2917, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.3931, 0.2618, 0.3170 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(138, 204, 213)` looks like.

```
.text, #text, p{  
    color:rgb(138, 204, 213)  
}
```

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(138, 204, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 204, 213) }
```

Border

The CSS property to change the border of an element to Yxy 53.3931, 0.2618, 0.3170 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(138, 204, 213) }
```

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

```
.border{ border-color:rgb(138, 204, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 204, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 204, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 204, 213);  
box-shadow:4px 4px 4px 4px rgb(138, 204,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 53.3931, 0.2618, 0.3170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 204, 213) }
```

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

```
.background{ background-color: rgb(138,  
204, 213) }
```

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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