

Converting Colors

$Y_{xy}(55.3580, 0.2850, 0.3174)$

Have a look what the booklet for
Yxy(55.3580, 0.2850, 0.3174)
contains.

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Color

Yxy(55.1971, 0.2851, 0.3177)

Conversions

Conversions Part 1

Format	Color
Hex	ACC9D2
RGB	172, 201, 210
RGB Percent	67%, 79%, 82%
CMY	0.3254, 0.2118, 0.1765
CMYK	0.18, 0.04, 0.00, 0.18
HSL	194°, 30%, 75%
HSV	194°, 18%, 82%
XYZ	49.5332, 55.1971, 69.0094
YIQ	193.3550, -20.1730, -3.3490

Conversions

Conversions Part 2

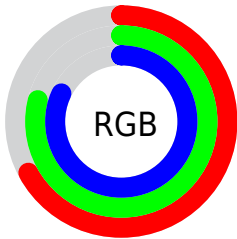
Format	Color
R _Y B	172, 188, 210
Decimal	11323858
CIE Lab	79.15, -7.78, -7.74
CIE LCh	79, 10.973, 224.830
Yxy	55.1971, 0.2851, 0.3177
Android (android.graphics.Color)	4289513938 (0xFFACC9D2)
YUV	193.3550, 8.2060, -18.7283
Hunter-Lab	74.2948, -11.0078, -3.0658

Details

The Yxy color **55.1971, 0.2851, 0.3177** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.7266, 0.3456, 0.3400**, and the grayscale version is **53.5097, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **27.1897, 0.2774, 0.3137** is the 20% darker color. If you saturate the color by 10%, you get **50.7283, 0.2703, 0.3106**, and if you desaturate by 10%, it is **60.1209, 0.3003, 0.3242**.

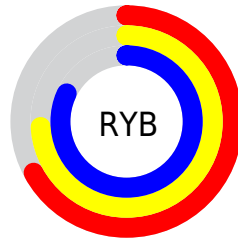
Distribution



Red (67%)

Green (79%)

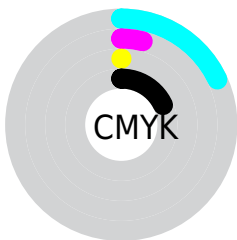
Blue (82%)



Red (67%)

Yellow (74%)

Blue (82%)

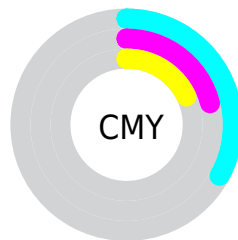


Cyan (18%)

Magenta (4%)

Yellow (0%)

Black (18%)



Cyan (33%)

Magenta (21%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.1971, 0.2851, 0.3177 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 55.1971, 0.2851, 0.3177 by changing the saturation by 10% instead.

■ 55.1971, 0.2851,
0.3177

■ 55.1971, 0.2851,
0.3177

406.6586, 0.2984,
0.3233

■ 39.5595, 0.2819,
0.3163

■ 97.8297, 0.2898,
0.3197

■ 27.1953, 0.2779,
0.3145

125.5935, 0.2916,
0.3205

■ 17.7200, 0.2727,
0.3122

158.1682, 0.2932,
0.3212

■ 10.7491, 0.2657,
0.3089

195.9382, 0.2945,
0.3217

■ 5.8984, 0.2558,
0.3042

239.2878, 0.2957,
0.3222

■ 2.7834, 0.2406,
0.2965

288.6015, 0.2967,

■ 1.0197, 0.2142,

0.3226

0.2825

344.2636, 0.2976,
0.3230

0.0000, 0.0000,
0.0000

55.1971, 0.2851,
0.3177

55.1971, 0.2851,
0.3177

50.7283, 0.2703,
0.3106

60.1209, 0.3003,
0.3242

46.6893, 0.2563,
0.3030

65.5099, 0.3157,
0.3301

43.0627, 0.2433,
0.2950

71.3826, 0.3309,
0.3354

39.8270, 0.2317,
0.2865

77.5626, 0.3451,
0.3401

36.9586, 0.2218,
0.2779

80.2238, 0.3442,
0.3451

■ 34.4304, 0.2138,
0.2691

■ 82.9634, 0.3434,
0.3500

■ 32.2112, 0.2077,
0.2603

■ 85.7820, 0.3425,
0.3548

■ 30.2552, 0.2035,
0.2516

■ 88.6801, 0.3417,
0.3596

■ 29.8975, 0.2028,
0.2500

■ 91.6585, 0.3409,
0.3644

Harmonies

Analogous

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



55.1971, 0.2905, 0.3307



55.1971, 0.2851, 0.3177



55.1971, 0.2869, 0.3082

Triad

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



55.1971, 0.2851, 0.3177



55.1971, 0.3234, 0.3152



55.1971, 0.3299, 0.3544

Complementary

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



55.1971, 0.2851, 0.3177



49.7266, 0.3456, 0.3400

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.



55.1971, 0.3391, 0.3494



55.1971, 0.2851, 0.3177



55.1971, 0.3353, 0.3268

Square

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



55.1971, 0.2851, 0.3177



55.1971, 0.3087, 0.3071



55.1971, 0.3412, 0.3393



55.1971, 0.3162, 0.3523

Rectangle

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



55.1971, 0.2851, 0.3177



55.1971, 0.2919, 0.3050



55.1971, 0.3412, 0.3393



55.1971, 0.3337, 0.3534

Sweetspot

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



55.1994, 0.2851, 0.3177



95.7515, 0.3050, 0.3260



58.1916, 0.3045, 0.3662



20.3702, 0.3039, 0.3256



0.0000, 0.0000, 0.0000



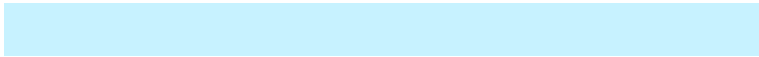
21.4041, 0.3127, 0.3290

Same Dimension

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



55.1994, 0.2851, 0.3177



82.6886, 0.2789, 0.3148



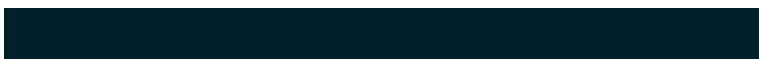
46.9375, 0.2838, 0.2934



12.9131, 0.2983, 0.3234



18.4002, 0.2031, 0.2512



1.1463, 0.2076, 0.2672

Inverse Universe

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



47.4268, 0.3222, 0.2946



68.4551, 0.3248, 0.2864



57.9244, 0.3417, 0.3622



11.9592, 0.3173, 0.3114



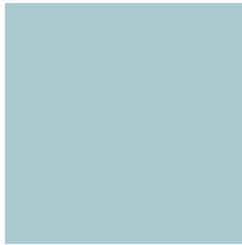
9.9288, 0.3910, 0.1928



0.5670, 0.3755, 0.1842

Previews

White Background



This preview shows how the Yxy color 55.1971, 0.2851, 0.3177 looks on a white background.

Color Contrast Check

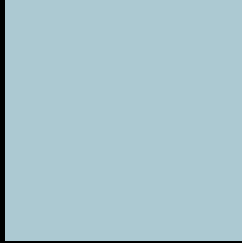
Large Text (above 18pt) WCAG AA × Fail

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 55.1971, 0.2851, 0.3177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

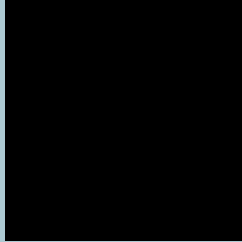
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

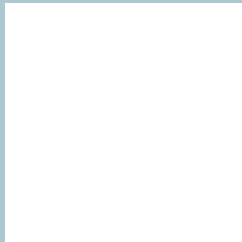
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.1971, 0.2851, 0.3177

Background



This preview shows how black text looks on a background with the Yxy color 55.1971, 0.2851, 0.3177.



This preview shows how white text looks on a background with the Yxy color 55.1971, 0.2851, 0.3177.

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

55.1971, 0.2851, 0.3177

Protanopia

54.7756, 0.3055, 0.3146

Deuteranopia

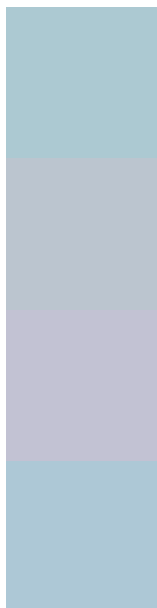
54.8458, 0.3099, 0.3034



Tritanopia

55.1507, 0.2819, 0.3092

Trichromacy



Original Color

55.1971, 0.2851, 0.3177

Protanomaly

55.0023, 0.2979, 0.3167

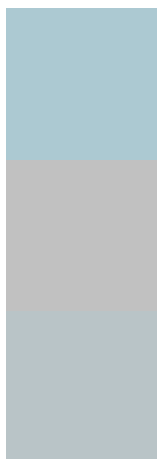
Deuteranomaly

54.7561, 0.3004, 0.3086

Tritanomaly

55.0478, 0.2831, 0.3116

Monochromacy



Original Color

55.1971, 0.2851, 0.3177

Achromatopsia

53.3276, 0.3127, 0.3290

Achromatomaly

53.9177, 0.3020, 0.3252

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.1971, 0.2851, 0.3177 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(172, 201, 210)` looks like.

```
.text, #text, p{  
    color:rgb(172, 201, 210)  
}
```

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(172, 201, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 201, 210) }
```

Border

The CSS property to change the border of an element to Yxy 55.1971, 0.2851, 0.3177 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(172, 201, 210) }
```

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

```
.border{ border-color:rgb(172, 201, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 201, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 201, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 201, 210);  
box-shadow:4px 4px 4px 4px rgb(172, 201,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 55.1971, 0.2851, 0.3177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 201, 210) }
```

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

```
.background{ background-color: rgb(172,  
201, 210) }
```

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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