

Converting Colors

$Y_{xy}(55.0512, 0.2804, 0.3176)$

Have a look what the booklet for
Yxy(55.0512, 0.2804, 0.3176)
contains.

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Color

Yxy(55.0512, 0.2804, 0.3176)

Conversions

Conversions Part 1

Format	Color
Hex	A6CAD3
RGB	166, 202, 211
RGB Percent	65%, 79%, 83%
CMY	0.3490, 0.2078, 0.1726
CMYK	0.21, 0.04, 0.00, 0.17
HSL	192°, 34%, 74%
HSV	192°, 21%, 83%
XYZ	48.6031, 55.0512, 69.6807
YIQ	192.2620, -24.3450, -4.8330

Conversions

Conversions Part 2

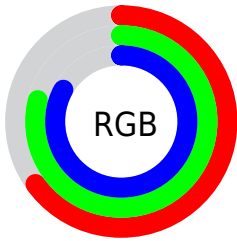
Format	Color
RYB	166, 186, 211
Decimal	10930899
CIELab	79.07, -9.95, -8.44
CIELCh	79, 13.048, 220.279
Yxy	55.0512, 0.2804, 0.3176
Android (android.graphics.Color)	4289120979 (0xFFA6CAD3)
YUV	192.2620, 9.2378, -23.0318
Hunter-Lab	74.1965, -12.9157, -3.7439

Details

The Yxy color **55.0512, 0.2804, 0.3176** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.2540, 0.3532, 0.3401**, and the grayscale version is **52.8302, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **27.1248, 0.2715, 0.3136** is the 20% darker color. If you saturate the color by 10%, you get **51.0075, 0.2661, 0.3115**, and if you desaturate by 10%, it is **59.5274, 0.2954, 0.3232**.

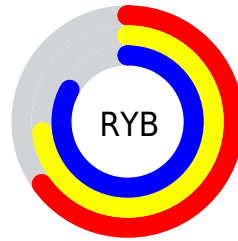
Distribution



Red (65%)

Green (79%)

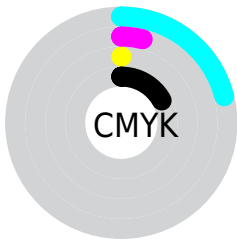
Blue (83%)



Red (65%)

Yellow (73%)

Blue (83%)

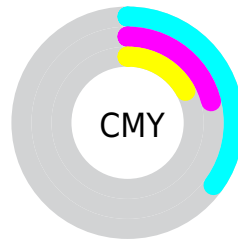


Cyan (21%)

Magenta (4%)

Yellow (0%)

Black (17%)



Cyan (35%)

Magenta (21%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.0512, 0.2804, 0.3176 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 55.0512, 0.2804, 0.3176 by changing the saturation by 10% instead.

■ 55.0512, 0.2804,
0.3176

■ 55.0512, 0.2804,
0.3176

406.1060, 0.2960,
0.3233

■ 39.4427, 0.2767,
0.3162

■ 97.6160, 0.2859,
0.3197

■ 27.1043, 0.2720,
0.3143

■ 125.3410, 0.2880,
0.3205

■ 17.6516, 0.2660,
0.3119

157.8738, 0.2898,
0.3211

■ 10.7001, 0.2579,
0.3085

195.5985, 0.2914,
0.3217

■ 5.8656, 0.2463,
0.3035

238.8997, 0.2927,
0.3222

■ 2.7635, 0.2288,
0.2953

288.1618, 0.2939,

■ 1.0096, 0.1978,

0.3226

0.2806

343.7691, 0.2950,
0.3230

0.0000, 0.0000,
0.0000

55.0512, 0.2804,
0.3176

55.0512, 0.2804,
0.3176

51.0075, 0.2661,
0.3115

59.5274, 0.2954,
0.3232

47.3708, 0.2527,
0.3050

64.4468, 0.3107,
0.3284

44.1233, 0.2405,
0.2982

69.8279, 0.3261,
0.3330

41.2429, 0.2300,
0.2911

75.6862, 0.3413,
0.3371

38.7050, 0.2212,
0.2838

78.7718, 0.3440,
0.3413

■ 36.4813, 0.2143,
0.2765

■ 81.0514, 0.3433,
0.3455

■ 34.5384, 0.2094,
0.2693

■ 83.3874, 0.3426,
0.3496

■ 33.0284, 0.2064,
0.2630

■ 85.7802, 0.3419,
0.3537

■ 88.2301, 0.3412,
0.3578

Harmonies

Analogous

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



55.0512, 0.2880, 0.3334



55.0512, 0.2804, 0.3176



55.0512, 0.2812, 0.3056

Triad

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



55.0512, 0.2804, 0.3176



55.0512, 0.3228, 0.3108



55.0512, 0.3353, 0.3588

Complementary

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



55.0512, 0.2804, 0.3176



47.2540, 0.3532, 0.3401

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.



55.0512, 0.3452, 0.3517



55.0512, 0.2804, 0.3176



55.0512, 0.3379, 0.3241

Square

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



55.0512, 0.2804, 0.3176



55.0512, 0.3053, 0.3021



55.0512, 0.3462, 0.3389



55.0512, 0.3195, 0.3578

Rectangle

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



55.0512, 0.2804, 0.3176



55.0512, 0.2863, 0.3011



55.0512, 0.3462, 0.3389



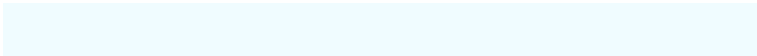
55.0512, 0.3394, 0.3573

Sweetspot

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



55.0534, 0.2804, 0.3176



95.2795, 0.3034, 0.3260



57.7539, 0.3045, 0.3767



20.2871, 0.3024, 0.3256



0.0000, 0.0000, 0.0000



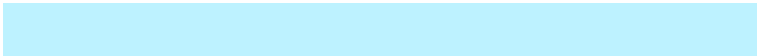
21.4041, 0.3127, 0.3290

Same Dimension

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



55.0534, 0.2804, 0.3176



81.3649, 0.2732, 0.3146



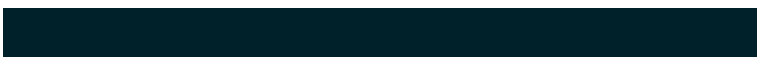
45.5532, 0.2784, 0.2892



12.9894, 0.2983, 0.3242



20.0835, 0.2067, 0.2641



1.2274, 0.2104, 0.2773

Inverse Universe

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



45.3857, 0.3228, 0.2864



63.9229, 0.3256, 0.2762



56.4148, 0.3479, 0.3658



11.9669, 0.3168, 0.3106



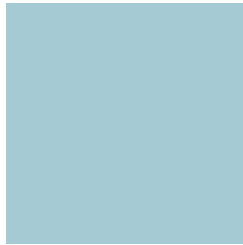
10.0987, 0.3784, 0.1858



0.5752, 0.3660, 0.1790

Previews

White Background



This preview shows how the Yxy color 55.0512, 0.2804, 0.3176 looks on a white background.

Color Contrast Check

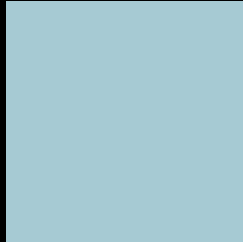
Large Text (above 18pt) WCAG AA × Fail

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 55.0512, 0.2804, 0.3176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

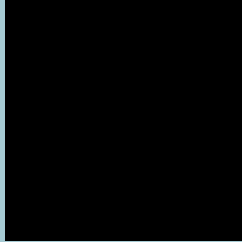
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

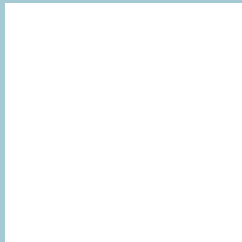
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.0512, 0.2804, 0.3176

Background



This preview shows how black text looks on a background with the Yxy color 55.0512, 0.2804, 0.3176.



This preview shows how white text looks on a background with the Yxy color 55.0512, 0.2804, 0.3176.

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

55.0512, 0.2804, 0.3176

Protanopia

54.7756, 0.3055, 0.3146

Deuteranopia

54.7528, 0.3084, 0.3022



Tritanopia

54.9985, 0.2772, 0.3090

Trichromacy



Original Color

55.0512, 0.2804, 0.3176

Protanomaly

54.8009, 0.2957, 0.3155

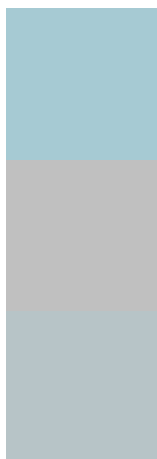
Deuteranomaly

54.4134, 0.2974, 0.3073

Tritanomaly

54.8951, 0.2785, 0.3114

Monochromacy



Original Color

55.0512, 0.2804, 0.3176

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

53.6707, 0.3004, 0.3252

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.0512, 0.2804, 0.3176 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(166, 202, 211)` looks like.

```
.text, #text, p{  
    color:rgb(166, 202, 211)  
}
```

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(166, 202, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 202, 211) }
```

Border

The CSS property to change the border of an element to Yxy 55.0512, 0.2804, 0.3176 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(166, 202, 211) }
```

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

```
.border{ border-color:rgb(166, 202, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 202, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 202, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 202, 211);  
box-shadow:4px 4px 4px 4px rgb(166, 202,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 55.0512, 0.2804, 0.3176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 202, 211) }
```

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

```
.background{ background-color: rgb(166,  
202, 211) }
```

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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