

Converting Colors

$Y_{xy}(54.9284, 0.2826, 0.3179)$

Have a look what the booklet for
Yxy(54.9284, 0.2826, 0.3179)
contains.

Yxy(54.7513, 0.2823, 0.3176)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(54.7513, 0.2823, 0.3176)

Conversions

Conversions Part 1

Format	Color
Hex	A8C9D2
RGB	168, 201, 210
RGB Percent	66%, 79%, 82%
CMY	0.3412, 0.2117, 0.1765
CMYK	0.20, 0.04, 0.00, 0.18
HSL	193°, 32%, 74%
HSV	193°, 20%, 82%
XYZ	48.6659, 54.7513, 68.9735
YIQ	192.1590, -22.5570, -4.1970

Conversions

Conversions Part 2

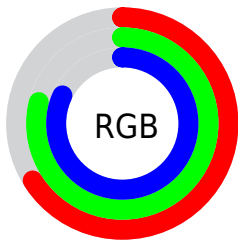
Format	Color
RYB	168, 186, 210
Decimal	11061714
CIELab	78.90, -9.04, -8.15
CIElCh	79, 12.169, 222.042
Yxy	54.7513, 0.2823, 0.3176
Android (android.graphics.Color)	4289251794 (0xFFA8C9D2)
YUV	192.1590, 8.7956, -21.1874
Hunter-Lab	73.9941, -12.0903, -3.4712

Details

The Yxy color **54.7513, 0.2823, 0.3176** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.9654, 0.3500, 0.3401**, and the grayscale version is **52.7677, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5873, 0.2940, 0.3289**, and **26.9126, 0.2739, 0.3136** is the 20% darker color. If you saturate the color by 10%, you get **50.5668, 0.2678, 0.3111**, and if you desaturate by 10%, it is **59.3738, 0.2974, 0.3236**.

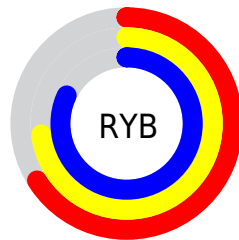
Distribution



Red (66%)

Green (79%)

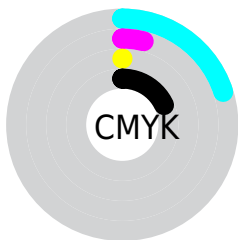
Blue (82%)



Red (66%)

Yellow (73%)

Blue (82%)

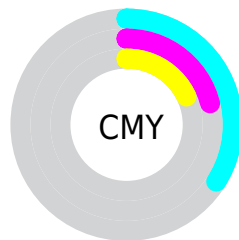


Cyan (20%)

Magenta (4%)

Yellow (0%)

Black (18%)



Cyan (34%)


Magenta (21%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.7513, 0.2823, 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 54.7513, 0.2823, 0.3176 by changing the saturation by 10% instead.


 54.7513, 0.2823,
0.3176


 54.7513, 0.2823,
0.3176


404.9685, 0.2970,
0.3233

 39.2026, 0.2788,
0.3162


 97.1765, 0.2875,
0.3197

 26.9174, 0.2744,
0.3144


 124.8218, 0.2895,
0.3205

 17.5112, 0.2687,
0.3119


157.2681, 0.2912,
0.3211

 10.5996, 0.2610,
0.3086

194.8998, 0.2927,
0.3217

 5.7983, 0.2500,
0.3036

238.1013, 0.2939,
0.3222

 2.7228, 0.2333,
0.2956

287.2570, 0.2951,

 0.9888, 0.2034,

0.3226

0.2811

342.7513, 0.2961,
0.3230

0.0000, 0.0000,
0.0000

54.7513, 0.2823,
0.3176

54.7513, 0.2823,
0.3176

50.5668, 0.2678,
0.3111

59.3738, 0.2974,
0.3236

46.7952, 0.2541,
0.3042

64.4447, 0.3127,
0.3290

43.4189, 0.2416,
0.2969

69.9825, 0.3280,
0.3339

40.4163, 0.2307,
0.2893

76.0022, 0.3432,
0.3383

37.7633, 0.2214,
0.2815

78.9453, 0.3446,
0.3427

■ 35.4325, 0.2141,
0.2736

■ 81.3860, 0.3439,
0.3472

■ 33.3915, 0.2088,
0.2657

■ 83.8909, 0.3431,
0.3516

■ 31.5820, 0.2050,
0.2580

■ 86.4606, 0.3423,
0.3560

■ 89.0955, 0.3416,
0.3603

Harmonies

Analogous

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



54.7513, 0.2890, 0.3322



54.7513, 0.2823, 0.3176



54.7513, 0.2835, 0.3066

Triad

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



54.7513, 0.2823, 0.3176



54.7513, 0.3231, 0.3126



54.7513, 0.3331, 0.3570

Complementary

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



54.7513, 0.2823, 0.3176



47.9654, 0.3500, 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.



54.7513, 0.3427, 0.3508



54.7513, 0.2823, 0.3176



54.7513, 0.3369, 0.3252

Square

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



54.7513, 0.2823, 0.3176



54.7513, 0.3067, 0.3042



54.7513, 0.3441, 0.3391



54.7513, 0.3181, 0.3555

Rectangle

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



54.7513, 0.2823, 0.3176



54.7513, 0.2886, 0.3027



54.7513, 0.3441, 0.3391



54.7513, 0.3370, 0.3557

Sweetspot

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



54.7535, 0.2823, 0.3176



95.1412, 0.3034, 0.3258



57.5662, 0.3046, 0.3725



20.2543, 0.3024, 0.3254



0.0000, 0.0000, 0.0000



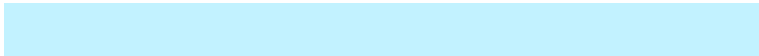
21.4041, 0.3127, 0.3290

Same Dimension

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



54.7535, 0.2823, 0.3176



82.1084, 0.2760, 0.3149



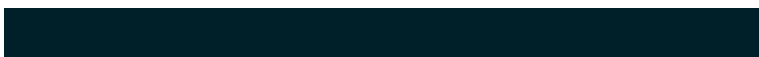
45.8595, 0.2806, 0.2910



12.9596, 0.2983, 0.3239



19.4165, 0.2053, 0.2591



1.1954, 0.2093, 0.2734

Inverse Universe

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



45.9208, 0.3226, 0.2898



66.1595, 0.3251, 0.2811



56.6407, 0.3454, 0.3643



11.9639, 0.3170, 0.3109



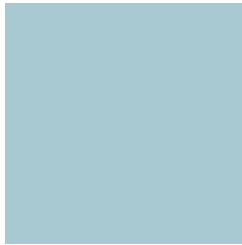
10.0314, 0.3833, 0.1885



0.5720, 0.3696, 0.1810

Previews

White Background



This preview shows how the Yxy color 54.7513, 0.2823, 0.3176 looks on a white background.

Color Contrast Check

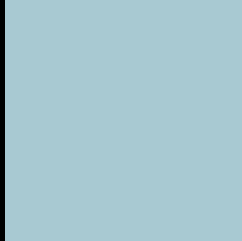
Large Text (above 18pt) WCAG AA × Fail

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 54.7513, 0.2823, 0.3176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

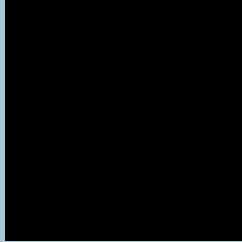
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

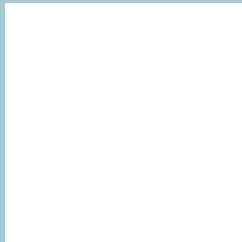
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.7513, 0.2823, 0.3176

Background



This preview shows how black text looks on a background with the Yxy color 54.7513, 0.2823, 0.3176.



This preview shows how white text looks on a background with the Yxy color 54.7513, 0.2823, 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

54.7513, 0.2823, 0.3176

Protanopia

54.6419, 0.3047, 0.3145

Deuteranopia

54.2705, 0.3091, 0.3021



Tritanopia

54.7014, 0.2791, 0.3090

Trichromacy



Original Color

54.7513, 0.2823, 0.3176

Protanomaly

54.7518, 0.2964, 0.3167

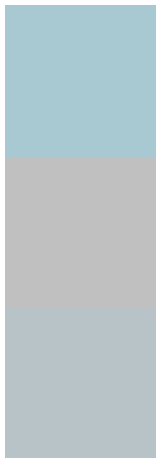
Deuteranomaly

54.0495, 0.2988, 0.3073

Tritanomaly

54.5986, 0.2804, 0.3114

Monochromacy



Original Color

54.7513, 0.2823, 0.3176

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

53.2210, 0.3004, 0.3240

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.7513, 0.2823, 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(168, 201, 210)` looks like.

```
.text, #text, p{  
    color:rgb(168, 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(168, 201, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 201, 210) }
```

Border

The CSS property to change the border of an element to Yxy 54.7513, 0.2823, 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(168, 201, 210) }
```

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

```
.border{ border-color:rgb(168, 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(168, 201, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 201, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 201, 210);  
box-shadow:4px 4px 4px 4px rgb(168, 201,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 54.7513, 0.2823, 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(168, 201, 210) }
```

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

```
.background{ background-color: rgb(168,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor