

Converting Colors

$Yxy(55.0164, 0.2872, 0.3328)$

Have a look what the booklet for
Yxy(55.0164, 0.2872, 0.3328)
contains.

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Color

Yxy(54.9890, 0.2875, 0.3328)

Conversions

Conversions Part 1

Format	Color
Hex	A6CBC8
RGB	166, 203, 200
RGB Percent	65%, 80%, 78%
CMY	0.3490, 0.2039, 0.2158
CMYK	0.18, 0.00, 0.01, 0.20
HSL	175°, 26%, 72%
HSV	175°, 18%, 80%
XYZ	47.5040, 54.9890, 62.7384
YIQ	191.5950, -21.0890, -8.7770

Conversions

Conversions Part 2

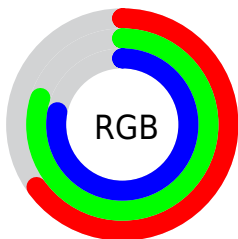
Format	Color
RYB	166, 185, 203
Decimal	10931144
CIELab	79.03, -12.84, -2.57
CIELCh	79, 13.093, 191.332
Yxy	54.9890, 0.2875, 0.3328
Android (android.graphics.Color)	4289121224 (0xFFA6CBC8)
YUV	191.5950, 4.1437, -22.4468
Hunter-Lab	74.1546, -15.4219, 1.7460

Details

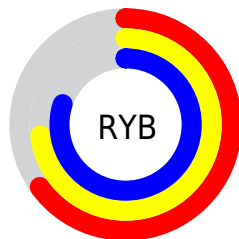
The Yxy color **54.9890, 0.2875, 0.3328** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.8346, 0.3450, 0.3253**, and the grayscale version is **52.4486, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **27.0809, 0.2806, 0.3341** is the 20% darker color. If you saturate the color by 10%, you get **52.8905, 0.2749, 0.3351**, and if you desaturate by 10%, it is **57.4392, 0.3010, 0.3306**.

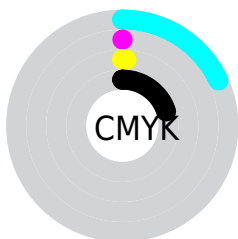
Distribution



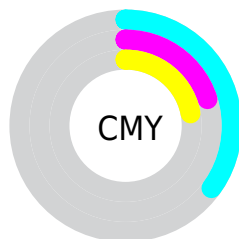
- Red (65%)
- Green (80%)
- Blue (78%)



- Red (65%)
- Yellow (73%)
- Blue (80%)



- Cyan (18%)
- Magenta (0%)
- Yellow (1%)
- Black (20%)





- Cyan (35%)
- Magenta (20%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.9890, 0.2875, 0.3328 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 54.9890, 0.2875, 0.3328 by changing the saturation by 10% instead.


 54.9890, 0.2875,
0.3328

 54.9890, 0.2875,
0.3328


405.8702, 0.2997,
0.3310

 39.3929, 0.2846,
0.3332


 97.5248, 0.2918,
0.3322

 27.0655, 0.2809,
0.3337


 125.2334, 0.2935,
0.3320

 17.6224, 0.2761,
0.3343


157.7482, 0.2949,
0.3318

 10.6793, 0.2695,
0.3351

195.4537, 0.2961,
0.3316

 5.8516, 0.2602,
0.3362

238.7342, 0.2972,
0.3314

 2.7551, 0.2458,
0.3376

287.9743, 0.2981,

 1.0052, 0.2164,

0.3313

0.3414

343.5581, 0.2990,
0.3312

0.0000, 0.0000,
0.0000

54.9890, 0.2875,
0.3328

54.9890, 0.2875,
0.3328

52.8905, 0.2749,
0.3351

57.4392, 0.3010,
0.3306

51.1206, 0.2636,
0.3376

60.2494, 0.3153,
0.3287

49.6641, 0.2538,
0.3402

63.4362, 0.3299,
0.3269

48.5020, 0.2457,
0.3430

67.0130, 0.3447,
0.3253

47.6130, 0.2395,
0.3457

68.5440, 0.3496,
0.3237

■ 46.9730, 0.2352,
0.3485

■ 68.6264, 0.3483,
0.3220

■ 46.5538, 0.2327,
0.3513

■ 68.7097, 0.3470,
0.3203

■ 46.3126, 0.2319,
0.3540

■ 68.7939, 0.3457,
0.3186

■ 46.2769, 0.2318,
0.3545

■ 68.8789, 0.3444,
0.3169

Harmonies

Analogous

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



54.9890, 0.3016, 0.3479



54.9890, 0.2875, 0.3328



54.9890, 0.2802, 0.3170

Triad

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



54.9890, 0.2875, 0.3328



54.9890, 0.3058, 0.3022



54.9890, 0.3451, 0.3521

Complementary

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



54.9890, 0.2875, 0.3328



42.8346, 0.3450, 0.3253

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.



54.9890, 0.3464, 0.3394



54.9890, 0.2875, 0.3328



54.9890, 0.3234, 0.3111

Square

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



54.9890, 0.2875, 0.3328



54.9890, 0.2905, 0.3000



54.9890, 0.3384, 0.3246



54.9890, 0.3349, 0.3591

Rectangle

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



54.9890, 0.2875, 0.3328



54.9890, 0.2799, 0.3085



54.9890, 0.3384, 0.3246



54.9890, 0.3466, 0.3484

Sweetspot

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



54.9913, 0.2875, 0.3328



97.5944, 0.3055, 0.3300



53.9127, 0.3128, 0.3779



20.8196, 0.3045, 0.3301



0.0000, 0.0000, 0.0000



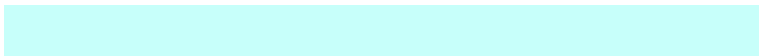
21.4041, 0.3127, 0.3290

Same Dimension

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



54.9913, 0.2875, 0.3328



90.5760, 0.2823, 0.3337



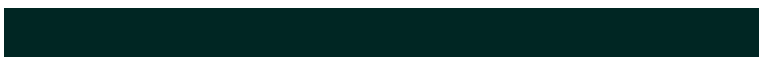
48.2089, 0.2845, 0.3089



12.7106, 0.2994, 0.3309



29.4543, 0.2317, 0.3541



1.5243, 0.2302, 0.3487

Inverse Universe

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



42.8346, 0.3450, 0.3253



66.3963, 0.3541, 0.3244



48.6688, 0.3444, 0.3483



11.2283, 0.3277, 0.3271



8.1106, 0.6301, 0.3245



0.4237, 0.5994, 0.3075

Previews

White Background



This preview shows how the Yxy color 54.9890, 0.2875, 0.3328 looks on a white background.

Color Contrast Check

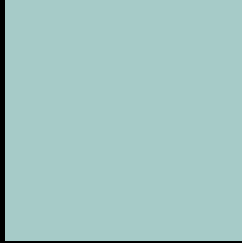
Large Text (above 18pt) WCAG AA × Fail

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 54.9890, 0.2875, 0.3328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

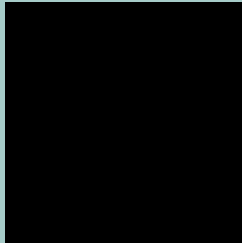
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

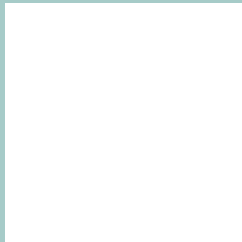
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.9890, 0.2875, 0.3328

Background



This preview shows how black text looks on a background with the Yxy color 54.9890, 0.2875, 0.3328.

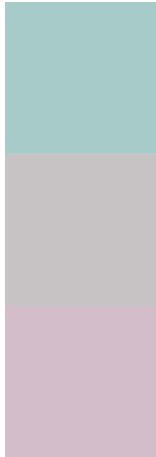


This preview shows how white text looks on a background with the Yxy color 54.9890, 0.2875, 0.3328.

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

54.9890, 0.2875, 0.3328

Protanopia

54.6658, 0.3160, 0.3278

Deuteranopia

54.5559, 0.3200, 0.3127



Tritanopia

54.7014, 0.2791, 0.3090

Trichromacy



Original Color

54.9890, 0.2875, 0.3328

Protanomaly

54.5285, 0.3049, 0.3290

Deuteranomaly

54.4499, 0.3076, 0.3193

Tritanomaly

54.7513, 0.2823, 0.3176

Monochromacy



Original Color

54.9890, 0.2875, 0.3328

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

53.4873, 0.3033, 0.3302

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.9890, 0.2875, 0.3328 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, 203, 200)` looks like.

```
.text, #text, p{  
    color:rgb(166, 203, 200)  
}
```

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, 203, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 203, 200) }
```

Border

The CSS property to change the border of an element to Yxy 54.9890, 0.2875, 0.3328 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, 203, 200) }
```

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

```
.border{ border-color:rgb(166, 203, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 203, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 203, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 203, 200);  
box-shadow:4px 4px 4px 4px rgb(166, 203,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 54.9890, 0.2875, 0.3328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 203, 200) }
```

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

```
.background{ background-color: rgb(166,  
203, 200) }
```

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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