

Converting Colors

$Y_{xy}(56.0802, 0.2966, 0.3314)$

Have a look what the booklet for
Yxy(56.0802, 0.2966, 0.3314)
contains.

Yxy(55.9949, 0.2968, 0.3314)	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(55.9949, 0.2968, 0.3314)

Conversions

Conversions Part 1

Format	Color
Hex	B3CAC8
RGB	179, 202, 200
RGB Percent	70%, 79%, 78%
CMY	0.2978, 0.2079, 0.2156
CMYK	0.11, 0.00, 0.01, 0.21
HSL	175°, 18%, 75%
HSV	175°, 11%, 79%
XYZ	50.1487, 55.9949, 62.8211
YIQ	194.8950, -13.0660, -5.4980

Conversions

Conversions Part 2

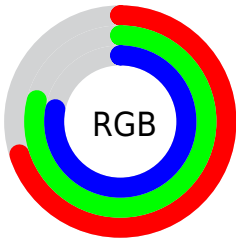
Format	Color
RYB	179, 191, 202
Decimal	11782856
CIELab	79.61, -8.09, -1.65
CIELCh	80, 8.256, 191.547
Yxy	55.9949, 0.2968, 0.3314
Android (android.graphics.Color)	4289972936 (0xFFB3CAC8)
YUV	194.8950, 2.5168, -13.9399
Hunter-Lab	74.8297, -11.3265, 2.6057

Details

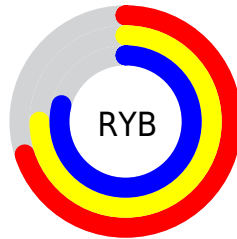
The Yxy color **55.9949, 0.2968, 0.3314** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.1576, 0.3312, 0.3266**, and the grayscale version is **54.5058, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **27.6908, 0.2926, 0.3323** is the 20% darker color. If you saturate the color by 10%, you get **53.6826, 0.2836, 0.3337**, and if you desaturate by 10%, it is **58.6654, 0.3108, 0.3293**.

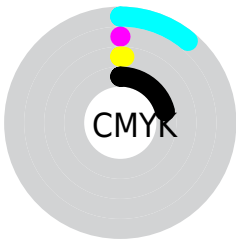
Distribution



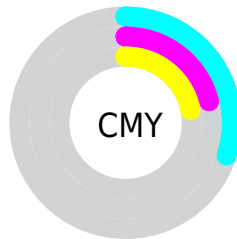
- Red (70%)
- Green (79%)
- Blue (78%)



- Red (70%)
- Yellow (75%)
- Blue (79%)



- Cyan (11%)
- Magenta (0%)
- Yellow (1%)
- Black (21%)





- Cyan (30%)
- Magenta (21%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.9949, 0.2968, 0.3314 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 55.9949, 0.2968, 0.3314 by changing the saturation by 10% instead.

 55.9949, 0.2968,
0.3314

 55.9949, 0.2968,
0.3314


409.6723, 0.3045,
0.3303

 40.1988, 0.2950,
0.3317


 98.9971, 0.2995,
0.3310

 27.6936, 0.2926,
0.3320


126.9721, 0.3006,
0.3309

 18.0948, 0.2896,
0.3324


159.7754, 0.3015,
0.3307

 11.0181, 0.2855,
0.3329

197.7916, 0.3022,
0.3306

 6.0790, 0.2796,
0.3337

241.4050, 0.3029,
0.3305

 2.8932, 0.2705,
0.3348

290.9999, 0.3035,

 1.0762, 0.2544,

0.3304

346.9609, 0.3040,
0.3304

0.3365

0.0000, 0.0000,
0.0000

55.9949, 0.2968,
0.3314

55.9949, 0.2968,
0.3314

53.6826, 0.2836,
0.3337

58.6654, 0.3108,
0.3293

51.7061, 0.2714,
0.3362

61.7014, 0.3253,
0.3273

50.0515, 0.2606,
0.3389

65.1187, 0.3399,
0.3256

48.7010, 0.2513,
0.3417

67.9973, 0.3508,
0.3240

47.6352, 0.2438,
0.3445

68.0824, 0.3494,
0.3222

■ 46.8322, 0.2382,
0.3474

■ 68.1685, 0.3481,
0.3205

■ 46.2674, 0.2345,
0.3504

■ 68.2555, 0.3468,
0.3187

■ 45.9109, 0.2327,
0.3533

■ 68.3434, 0.3454,
0.3170

■ 45.7239, 0.2322,
0.3557

■ 68.4323, 0.3441,
0.3152

Harmonies

Analogous

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



55.9949, 0.3057, 0.3407



55.9949, 0.2968, 0.3314



55.9949, 0.2921, 0.3216

Triad

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



55.9949, 0.2968, 0.3314



55.9949, 0.3086, 0.3120



55.9949, 0.3329, 0.3437

Complementary

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



55.9949, 0.2968, 0.3314



48.1576, 0.3312, 0.3266

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.



55.9949, 0.3338, 0.3358



55.9949, 0.2968, 0.3314



55.9949, 0.3196, 0.3177

Square

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



55.9949, 0.2968, 0.3314



55.9949, 0.2988, 0.3106



55.9949, 0.3288, 0.3264



55.9949, 0.3266, 0.3478

Rectangle

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



55.9949, 0.2968, 0.3314



55.9949, 0.2920, 0.3162



55.9949, 0.3288, 0.3264



55.9949, 0.3339, 0.3414

Sweetspot

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



55.9972, 0.2968, 0.3314



98.5357, 0.3084, 0.3296



55.3589, 0.3131, 0.3581



21.0090, 0.3072, 0.3298



0.0000, 0.0000, 0.0000



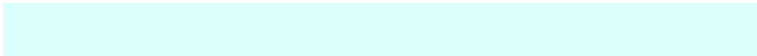
21.4041, 0.3127, 0.3290

Same Dimension

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



55.9972, 0.2968, 0.3314



93.6511, 0.2930, 0.3320



51.9141, 0.2953, 0.3174



12.7098, 0.2995, 0.3310



29.4337, 0.2320, 0.3553



1.5234, 0.2305, 0.3497

Inverse Universe

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



48.1576, 0.3312, 0.3266



77.3730, 0.3366, 0.3260



51.8779, 0.3315, 0.3403



11.2290, 0.3277, 0.3270



8.1123, 0.6295, 0.3242



0.4240, 0.5976, 0.3066

Previews

White Background



This preview shows how the Yxy color 55.9949, 0.2968, 0.3314 looks on a white background.

Color Contrast Check

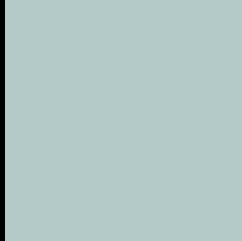
Large Text (above 18pt) WCAG AA × Fail

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 55.9949, 0.2968, 0.3314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

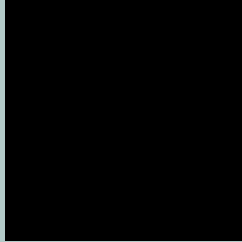
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

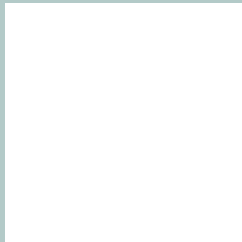
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.9949, 0.2968, 0.3314

Background



This preview shows how black text looks on a background with the Yxy color 55.9949, 0.2968, 0.3314.

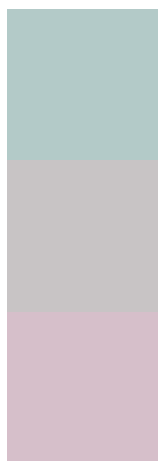


This preview shows how white text looks on a background with the Yxy color 55.9949, 0.2968, 0.3314.

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

55.9949, 0.2968, 0.3314

Protanopia

55.7904, 0.3152, 0.3278

Deuteranopia

55.8220, 0.3231, 0.3163



Tritanopia

56.1599, 0.2889, 0.3107

Trichromacy



Original Color

55.9949, 0.2968, 0.3314

Protanomaly

55.6719, 0.3080, 0.3290

Deuteranomaly

55.6648, 0.3131, 0.3218

Tritanomaly

56.2502, 0.2915, 0.3179

Monochromacy



Original Color

55.9949, 0.2968, 0.3314

Achromatopsia

54.5724, 0.3127, 0.3290

Achromatomaly

55.2382, 0.3064, 0.3302

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.9949, 0.2968, 0.3314 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(179, 202, 200)` looks like.

```
.text, #text, p{  
    color:rgb(179, 202, 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(179, 202, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 202, 200) }
```

Border

The CSS property to change the border of an element to Yxy 55.9949, 0.2968, 0.3314 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(179, 202, 200) }
```

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

```
.border{ border-color:rgb(179, 202, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 202, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 202, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 202, 200);  
box-shadow:4px 4px 4px 4px rgb(179, 202,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 55.9949, 0.2968, 0.3314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 202, 200) }
```

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

```
.background{ background-color: rgb(179,  
202, 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](#).

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