

Converting Colors

$Y_{xy}(55.5548, 0.2950, 0.3336)$

Have a look what the booklet for
Yxy(55.5548, 0.2950, 0.3336)
contains.

Yxy(55.4322, 0.2952, 0.3340)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(55.4322, 0.2952, 0.3340)

Conversions

Conversions Part 1

Format	Color
Hex	AFCAC6
RGB	175, 202, 198
RGB Percent	69%, 79%, 78%
CMY	0.3137, 0.2078, 0.2235
CMYK	0.13, 0.00, 0.02, 0.21
HSL	171°, 20%, 74%
HSV	171°, 13%, 79%
XYZ	48.9928, 55.4322, 61.5397
YIQ	193.4710, -14.8080, -6.9680

Conversions

Conversions Part 2

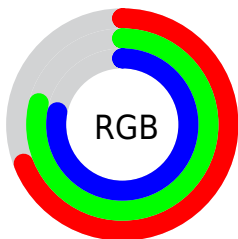
Format	Color
RYB	175, 190, 202
Decimal	11520710
CIELab	79.29, -9.83, -1.07
CIELCh	79, 9.890, 186.193
Yxy	55.4322, 0.2952, 0.3340
Android (android.graphics.Color)	4289710790 (0xFFAFCAC6)
YUV	193.4710, 2.2328, -16.1991
Hunter-Lab	74.4528, -12.8326, 3.1102

Details

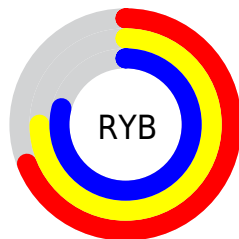
The Yxy color **55.4322, 0.2952, 0.3340** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.4743, 0.3335, 0.3241**, and the grayscale version is **53.6146, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7289, 0.2982, 0.3290**, and **27.3310, 0.2906, 0.3358** is the 20% darker color. If you saturate the color by 10%, you get **53.1322, 0.2829, 0.3382**, and if you desaturate by 10%, it is **58.0893, 0.3082, 0.3302**.

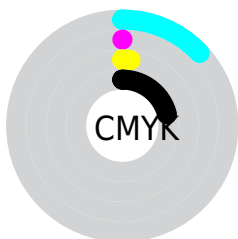
Distribution



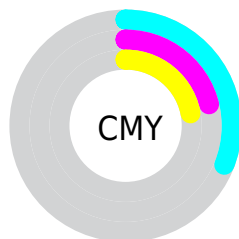
- Red (69%)
- Green (79%)
- Blue (78%)



- Red (69%)
- Yellow (75%)
- Blue (79%)



- Cyan (13%)
- Magenta (0%)
- Yellow (2%)
- Black (21%)





- Cyan (31%)
- Magenta (21%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.4322, 0.2952, 0.3340 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 55.4322, 0.2952, 0.3340 by changing the saturation by 10% instead.


 55.4322, 0.2952,
0.3340

 55.4322, 0.2952,
0.3340


407.5482, 0.3037,
0.3316

 39.7479, 0.2932,
0.3346


 98.1739, 0.2982,
0.3332

 27.3420, 0.2906,
0.3353


126.0001, 0.2994,
0.3328

 17.8302, 0.2872,
0.3362


158.6423, 0.3004,
0.3326

 10.8282, 0.2827,
0.3374

196.4850, 0.3012,
0.3323

 5.9514, 0.2761,
0.3392

239.9125, 0.3019,
0.3321

 2.8156, 0.2659,
0.3419

289.3093, 0.3026,

 1.0362, 0.2469,

0.3319

0.3469

345.0597, 0.3032,
0.3318

0.0000, 0.0000,
0.0000

55.4322, 0.2952,
0.3340

55.4322, 0.2952,
0.3340

53.1322, 0.2829,
0.3382

58.0893, 0.3082,
0.3302

51.1667, 0.2716,
0.3426

61.1109, 0.3217,
0.3268

49.5215, 0.2616,
0.3474

64.5132, 0.3354,
0.3237

48.1785, 0.2532,
0.3524

68.1557, 0.3484,
0.3209

47.1178, 0.2465,
0.3575

68.3066, 0.3461,
0.3179

■ 46.3171, 0.2418,
0.3628

■ 68.4603, 0.3438,
0.3148

■ 45.7507, 0.2389,
0.3680

■ 68.6169, 0.3415,
0.3118

■ 45.3876, 0.2379,
0.3732

■ 68.7763, 0.3392,
0.3088

■ 45.2219, 0.2380,
0.3767

■ 68.9386, 0.3369,
0.3058

Harmonies

Analogous

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



55.4322, 0.3065, 0.3448



55.4322, 0.2952, 0.3340



55.4322, 0.2886, 0.3220

Triad

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



55.4322, 0.2952, 0.3340



55.4322, 0.3054, 0.3080



55.4322, 0.3377, 0.3452

Complementary

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



55.4322, 0.2952, 0.3340



46.4743, 0.3335, 0.3241

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.



55.4322, 0.3375, 0.3351



55.4322, 0.2952, 0.3340



55.4322, 0.3186, 0.3140

Square

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



55.4322, 0.2952, 0.3340



55.4322, 0.2944, 0.3073



55.4322, 0.3304, 0.3238



55.4322, 0.3312, 0.3511

Rectangle

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



55.4322, 0.2952, 0.3340



55.4322, 0.2876, 0.3151



55.4322, 0.3304, 0.3238



55.4322, 0.3385, 0.3422

Sweetspot

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



55.4345, 0.2952, 0.3340



98.0194, 0.3073, 0.3305



54.9286, 0.3142, 0.3636



20.9029, 0.3063, 0.3307



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.



55.4345, 0.2952, 0.3340



92.6822, 0.2916, 0.3352



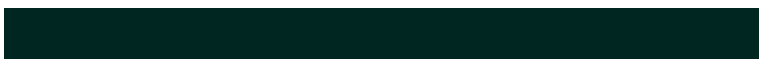
51.3222, 0.2922, 0.3169



12.6973, 0.3003, 0.3325



29.1089, 0.2378, 0.3760



1.5097, 0.2349, 0.3658

Inverse Universe

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



46.4743, 0.3335, 0.3241



74.6354, 0.3388, 0.3230



50.1227, 0.3354, 0.3408



11.2404, 0.3267, 0.3256



8.1485, 0.6182, 0.3179



0.4293, 0.5710, 0.2919

Previews

White Background



This preview shows how the Yxy color 55.4322, 0.2952, 0.3340 looks on a white background.

Color Contrast Check

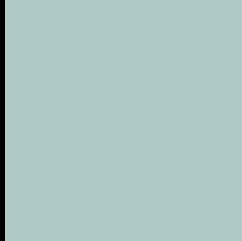
Large Text (above 18pt) WCAG AA × Fail

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 55.4322, 0.2952, 0.3340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

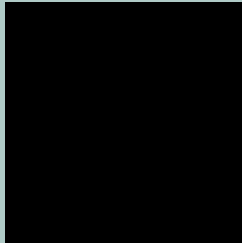
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

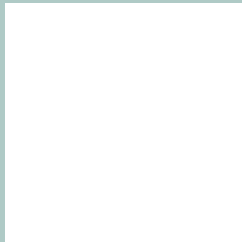
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.4322, 0.2952, 0.3340

Background



This preview shows how black text looks on a background with the Yxy color 55.4322, 0.2952, 0.3340.

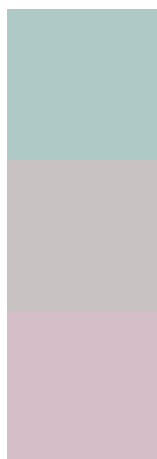


This preview shows how white text looks on a background with the Yxy color 55.4322, 0.2952, 0.3340.

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

55.4322, 0.2952, 0.3340

Protanopia

55.2046, 0.3175, 0.3302

Deuteranopia

55.1432, 0.3239, 0.3174



Tritanopia

55.2181, 0.2860, 0.3093

Trichromacy



Original Color

55.4322, 0.2952, 0.3340

Protanomaly

55.4047, 0.3094, 0.3327

Deuteranomaly

54.8492, 0.3130, 0.3230

Tritanomaly

55.2591, 0.2892, 0.3178

Monochromacy



Original Color

55.4322, 0.2952, 0.3340

Achromatopsia

53.3276, 0.3127, 0.3290

Achromatomaly

53.8591, 0.3056, 0.3302

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.4322, 0.2952, 0.3340 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(175, 202, 198)` looks like.

```
.text, #text, p{  
    color:rgb(175, 202, 198)  
}
```

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(175, 202, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 202, 198) }
```

Border

The CSS property to change the border of an element to Yxy 55.4322, 0.2952, 0.3340 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(175, 202, 198) }
```

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

```
.border{ border-color:rgb(175, 202, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 202, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 202, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 202, 198); box-shadow:4px 4px 4px 4px rgb(175, 202, 198) }
```


Background

The CSS property to change the background color of an element to Yxy 55.4322, 0.2952, 0.3340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 202, 198) }
```

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

```
.background{ background-color: rgb(175,  
202, 198) }
```

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