

Converting Colors

$Yxy(55.8936, 0.2785, 0.3386)$

Have a look what the booklet for
Yxy(55.8936, 0.2785, 0.3386)
contains.

Yxy(55.9573, 0.2785, 0.3393)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(55.9573, 0.2785, 0.3393)

Conversions

Conversions Part 1

Format	Color
Hex	98D0C8
RGB	152, 208, 200
RGB Percent	60%, 82%, 78%
CMY	0.4039, 0.1843, 0.2156
CMYK	0.27, 0.00, 0.04, 0.18
HSL	171°, 37%, 71%
HSV	171°, 27%, 82%
XYZ	45.9302, 55.9573, 63.0324
YIQ	190.3440, -30.8080, -14.3600

Conversions

Conversions Part 2

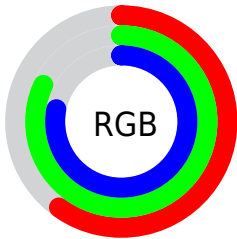
Format	Color
RYB	152, 182, 208
Decimal	10014920
CIELab	79.59, -19.66, -1.88
CIELCh	80, 19.748, 185.451
Yxy	55.9573, 0.2785, 0.3393
Android (android.graphics.Color)	4288205000 (0xFF98D0C8)
YUV	190.3440, 4.7604, -33.6277
Hunter-Lab	74.8046, -21.3087, 2.4039

Details

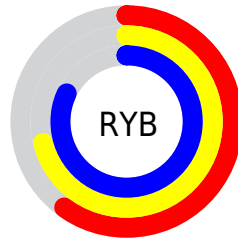
The Yxy color $55.9573, 0.2785, 0.3393$ is a light color, and the websafe version is hex $99CCCC$. A complement of this color would be $38.4023, 0.3621, 0.3191$, and the grayscale version is $51.6873, 0.3127, 0.3290$.

A 20% lighter version of the original color is $92.1499, 0.2849, 0.3289$, and $27.5104, 0.2696, 0.3413$ is the 20% darker color. If you saturate the color by 10%, you get $53.9881, 0.2676, 0.3437$, and if you desaturate by 10%, it is $58.2857, 0.2906, 0.3352$.

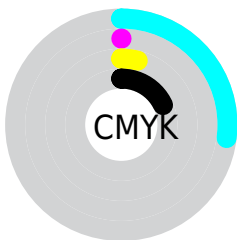
Distribution



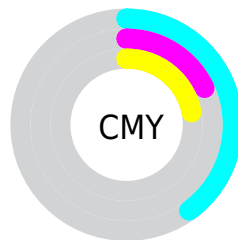
- Red (60%)
- Green (82%)
- Blue (78%)



- Red (60%)
- Yellow (71%)
- Blue (82%)



- Cyan (27%)
- Magenta (0%)
- Yellow (4%)
- Black (18%)




- Cyan (40%)
- Magenta (18%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.9573, 0.2785, 0.3393 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 55.9573, 0.2785, 0.3393 by changing the saturation by 10% instead.


 55.9573, 0.2785,
0.3393

 55.9573, 0.2785,
0.3393


409.5306, 0.2950,
0.3344

 40.1687, 0.2746,
0.3404

 98.9421, 0.2844,
0.3376

 27.6701, 0.2696,
0.3419


 126.9072, 0.2866,
0.3369

 18.0771, 0.2632,
0.3437


159.6998, 0.2885,
0.3364

 11.0054, 0.2545,
0.3461

197.7044, 0.2902,
0.3359

 6.0704, 0.2421,
0.3495

241.3054, 0.2916,
0.3354

 2.8880, 0.2232,
0.3544

290.8871, 0.2929,

 1.0735, 0.1808,

0.3351

0.3668

346.8341, 0.2940,
0.3347

0.0000, 0.0000,
0.0000

55.9573, 0.2785,
0.3393

55.9573, 0.2785,
0.3393

53.9881, 0.2676,
0.3437

58.2857, 0.2906,
0.3352

52.3529, 0.2581,
0.3484

60.9834, 0.3034,
0.3314

51.0339, 0.2502,
0.3532

64.0688, 0.3169,
0.3280

50.0088, 0.2442,
0.3582

67.5569, 0.3306,
0.3249

49.2526, 0.2401,
0.3632

71.2725, 0.3437,
0.3221

■ 48.7359, 0.2379,
0.3683

■ 71.4263, 0.3415,
0.3191

■ 48.4199, 0.2374,
0.3733

■ 71.5829, 0.3393,
0.3161

■ 48.3419, 0.2374,
0.3748

■ 71.7422, 0.3371,
0.3132

■ 71.9044, 0.3349,
0.3102

Harmonies

Analogous

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



55.9573, 0.3006, 0.3616



55.9573, 0.2785, 0.3393



55.9573, 0.2656, 0.3149

Triad

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



55.9573, 0.2785, 0.3393



55.9573, 0.2972, 0.2880



55.9573, 0.3629, 0.3599

Complementary

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



55.9573, 0.2785, 0.3393



38.4023, 0.3621, 0.3191

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.



55.9573, 0.3622, 0.3397



55.9573, 0.2785, 0.3393



55.9573, 0.3234, 0.2994

Square

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



55.9573, 0.2785, 0.3393



55.9573, 0.2761, 0.2865



55.9573, 0.3476, 0.3179



55.9573, 0.3497, 0.3729

Rectangle

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



55.9573, 0.2785, 0.3393



55.9573, 0.2636, 0.3013



55.9573, 0.3476, 0.3179



55.9573, 0.3643, 0.3537

Sweetspot

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



55.9596, 0.2785, 0.3393



96.1482, 0.3019, 0.3318



54.8951, 0.3153, 0.4044



20.4343, 0.2999, 0.3324



0.0000, 0.0000, 0.0000



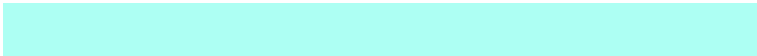
21.4041, 0.3127, 0.3290

Same Dimension

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



55.9596, 0.2785, 0.3393



86.9428, 0.2724, 0.3417



47.3669, 0.2712, 0.3029



13.3769, 0.3002, 0.3323



30.1388, 0.2373, 0.3741



1.6933, 0.2347, 0.3649

Inverse Universe

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



38.4023, 0.3621, 0.3191



54.8052, 0.3761, 0.3170



45.0293, 0.3640, 0.3536



11.8353, 0.3268, 0.3257



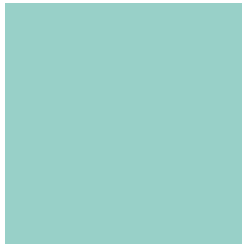
8.4238, 0.6197, 0.3187



0.4801, 0.5761, 0.2947

Previews

White Background



This preview shows how the Yxy color 55.9573, 0.2785, 0.3393 looks on a white background.

Color Contrast Check

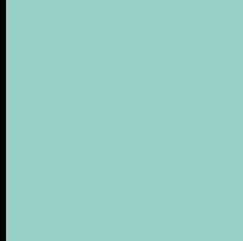
Large Text (above 18pt) WCAG AA × Fail

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 55.9573, 0.2785, 0.3393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

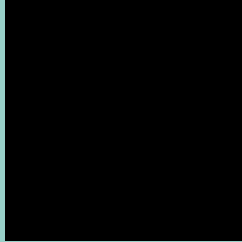
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

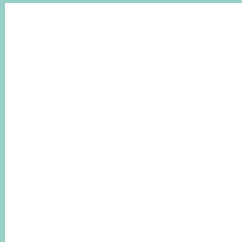
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.9573, 0.2785, 0.3393

Background



This preview shows how black text looks on a background with the Yxy color 55.9573, 0.2785, 0.3393.

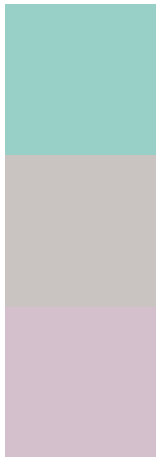


This preview shows how white text looks on a background with the Yxy color 55.9573, 0.2785, 0.3393.

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

55.9573, 0.2785, 0.3393

Protanopia

55.7476, 0.3189, 0.3326

Deuteranopia

55.6183, 0.3199, 0.3139



Tritanopia

56.0512, 0.2688, 0.3088

Trichromacy



Original Color

55.9573, 0.2785, 0.3393

Protanomaly

55.3614, 0.3025, 0.3340

Deuteranomaly

55.1915, 0.3029, 0.3217

Tritanomaly

55.9153, 0.2724, 0.3200

Monochromacy



Original Color

55.9573, 0.2785, 0.3393

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

53.0577, 0.2986, 0.3328

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.9573, 0.2785, 0.3393 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(152, 208, 200)` looks like.

```
.text, #text, p{  
    color:rgb(152, 208, 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(152, 208, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 208, 200) }
```

Border

The CSS property to change the border of an element to Yxy 55.9573, 0.2785, 0.3393 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(152, 208, 200) }
```

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

```
.border{ border-color:rgb(152, 208, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 208, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(152, 208, 200); -webkit-box-shadow:4px 4px 4px 4px rgb(152, 208, 200); box-shadow:4px 4px 4px 4px rgb(152, 208, 200) }
```


Background

The CSS property to change the background color of an element to Yxy 55.9573, 0.2785, 0.3393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 208, 200) }
```

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

```
.background{ background-color: rgb(152,  
208, 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