

Converting Colors

$Yxy(63.7178, 0.2807, 0.3580)$

Have a look what the booklet for
Yxy(63.7178, 0.2807, 0.3580)
contains.

Yxy(63.7178, 0.2807, 0.3580)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(63.7178, 0.2807, 0.3580)

Conversions

Conversions Part 1

Format	Color
Hex	99DFC8
RGB	153, 223, 200
RGB Percent	60%, 87%, 78%
CMY	0.3997, 0.1255, 0.2157
CMYK	0.31, 0.00, 0.10, 0.13
HSL	160°, 52%, 74%
HSV	160°, 31%, 87%
XYZ	49.9597, 63.7178, 64.3051
YIQ	199.4480, -34.3370, -21.9930

Conversions

Conversions Part 2

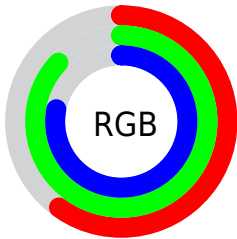
Format	Color
RYB	153, 195, 223
Decimal	10084296
CIELab	83.82, -26.73, 4.30
CIElCh	84, 27.078, 170.860
Yxy	63.7178, 0.2807, 0.3580
Android (android.graphics.Color)	4288274376 (0xFF99DFC8)
YUV	199.4480, 0.2721, -40.7349
Hunter-Lab	79.8234, -27.9718, 8.1128

Details

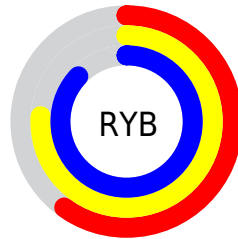
The Yxy color **63.7178, 0.2807, 0.3580** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.6318, 0.3604, 0.3020**, and the grayscale version is **57.4266, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.2953, 0.2855, 0.3289**, and **32.7332, 0.2725, 0.3666** is the 20% darker color. If you saturate the color by 10%, you get **61.4134, 0.2722, 0.3690**, and if you desaturate by 10%, it is **66.4494, 0.2903, 0.3478**.

Distribution



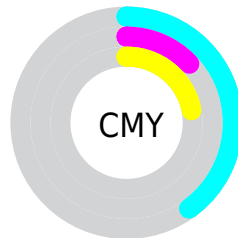
- Red (60%)
- Green (87%)
- Blue (78%)



- Red (60%)
- Yellow (76%)
- Blue (87%)



- Cyan (31%)
- Magenta (0%)
- Yellow (10%)
- Black (13%)




- Cyan (40%)
- Magenta (13%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.7178, 0.2807, 0.3580 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 63.7178, 0.2807, 0.3580 by changing the saturation by 10% instead.


 63.7178, 0.2807,
0.3580

 63.7178, 0.2807,
0.3580

438.1699, 0.2960,
0.3440

 46.4221, 0.2771,
0.3613


 110.2044, 0.2861,
0.3530

 32.5791, 0.2726,
0.3656


 140.1642, 0.2882,
0.3511

 21.8042, 0.2668,
0.3710

175.1141, 0.2899,
0.3495

 13.7131, 0.2590,
0.3784

215.4386, 0.2915,
0.3481

 7.9214, 0.2481,
0.3889

261.5220, 0.2928,
0.3469

 4.0447, 0.2317,
0.4051


313.7487, 0.2940,


 1.6986, 0.2043,


0.3458


0.4330


372.5032, 0.2950,
0.3449


 0.4227, 0.0000,
0.7259


 0.0000, 0.0000,
0.0000


 63.7178, 0.2807,
0.3580


 63.7178, 0.2807,
0.3580

 61.4134, 0.2722,
0.3690

 66.4494, 0.2903,
0.3478

 59.5055, 0.2650,
0.3807


 69.6214, 0.3005,
0.3385


 57.9717, 0.2594,
0.3929


 73.2562, 0.3112,
0.3301

 56.7839, 0.2557,
0.4055


 77.3722, 0.3222,
0.3225


 55.9101, 0.2541,
0.4182

 80.1257, 0.3263,
0.3155

 55.3119, 0.2544,
0.4309

 80.5625, 0.3214,
0.3084

 54.9613, 0.2560,
0.4416

 81.0170, 0.3166,
0.3014

 81.2507, 0.3142,
0.2979

Harmonies

Analogous

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



63.7178, 0.3130, 0.3826



63.7178, 0.2807, 0.3580



63.7178, 0.2577, 0.3252

Triad

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



63.7178, 0.2807, 0.3580



63.7178, 0.2776, 0.2733



63.7178, 0.3808, 0.3565

Complementary

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



63.7178, 0.2807, 0.3580



41.6318, 0.3604, 0.3020

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.



63.7178, 0.3706, 0.3285



63.7178, 0.2807, 0.3580



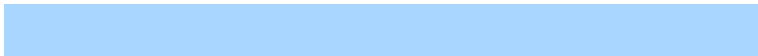
63.7178, 0.3095, 0.2822

Square

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



63.7178, 0.2807, 0.3580



63.7178, 0.2561, 0.2777



63.7178, 0.3439, 0.3020



63.7178, 0.3716, 0.3794

Rectangle

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



63.7178, 0.2807, 0.3580



63.7178, 0.2502, 0.3047



63.7178, 0.3439, 0.3020



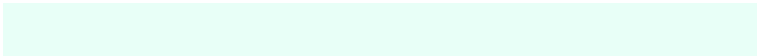
63.7178, 0.3796, 0.3474

Sweetspot

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



63.7204, 0.2807, 0.3580



95.4275, 0.3029, 0.3365



64.3478, 0.3246, 0.4167



20.2778, 0.3014, 0.3378



0.0000, 0.0000, 0.0000



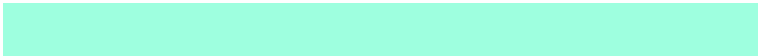
21.4041, 0.3127, 0.3290

Same Dimension

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



63.7204, 0.2807, 0.3580



84.1338, 0.2747, 0.3655



58.8642, 0.2662, 0.3144



15.4917, 0.3025, 0.3368



32.3409, 0.2555, 0.4397



2.2580, 0.2501, 0.4205

Inverse Universe

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



41.6318, 0.3604, 0.3020



49.4643, 0.3755, 0.2959



44.8018, 0.3797, 0.3431



13.7745, 0.3241, 0.3213



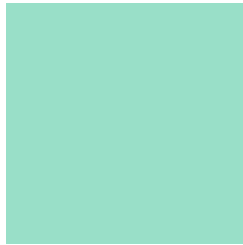
9.5285, 0.5648, 0.2885



0.6766, 0.5212, 0.2645

Previews

White Background



This preview shows how the Yxy color 63.7178, 0.2807, 0.3580 looks on a white background.

Color Contrast Check

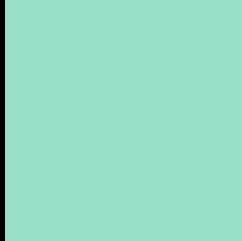
Large Text (above 18pt) WCAG AA × Fail

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 63.7178, 0.2807, 0.3580 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

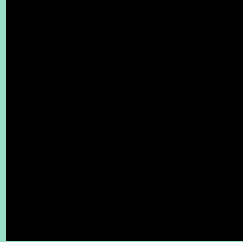
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

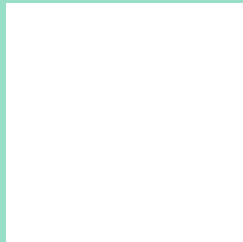
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.7178, 0.2807, 0.3580

Background



This preview shows how black text looks on a background with the Yxy color 63.7178, 0.2807, 0.3580.

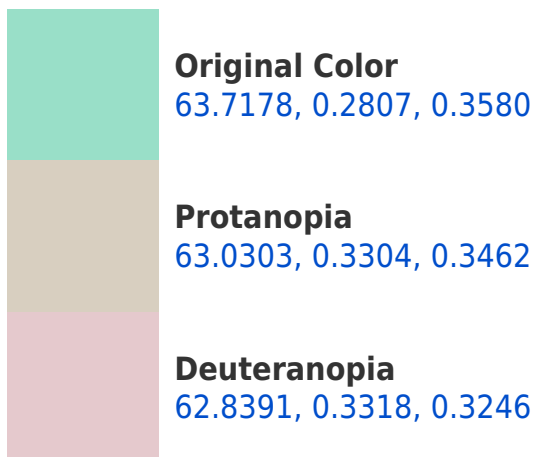


This preview shows how white text looks on a background with the Yxy color 63.7178, 0.2807, 0.3580.

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





Tritanopia

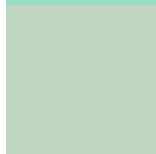
63.7180, 0.2652, 0.3086

Trichromacy



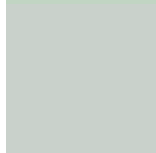
Original Color

63.7178, 0.2807, 0.3580



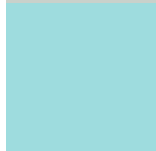
Protanomaly

62.8661, 0.3102, 0.3506



Deuteranomaly

62.3302, 0.3109, 0.3360



Tritanomaly

63.7294, 0.2709, 0.3264

Monochromacy



Original Color

63.7178, 0.2807, 0.3580



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

59.1804, 0.2997, 0.3400

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.7178, 0.2807, 0.3580 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(153, 223, 200)` looks like.

```
.text, #text, p{  
    color:rgb(153, 223, 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(153, 223, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 223, 200) }
```

Border

The CSS property to change the border of an element to Yxy 63.7178, 0.2807, 0.3580 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(153, 223, 200) }
```

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

```
.border{ border-color:rgb(153, 223, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 223, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 223, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 223, 200);  
box-shadow:4px 4px 4px 4px rgb(153, 223,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 63.7178, 0.2807, 0.3580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 223, 200) }
```

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

```
.background{ background-color: rgb(153,  
223, 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