

Converting Colors

$Y_{xy}(50.2383, 0.2827, 0.3159)$

Have a look what the booklet for
Yxy(50.2383, 0.2827, 0.3159)
contains.

Yxy(50.2383, 0.2827, 0.3159)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.2383, 0.2827, 0.3159)

Conversions

Conversions Part 1

Format	Color
Hex	A3C1CB
RGB	163, 193, 203
RGB Percent	64%, 76%, 80%
CMY	0.3607, 0.2431, 0.2039
CMYK	0.20, 0.05, 0.00, 0.20
HSL	195°, 28%, 72%
HSV	195°, 20%, 80%
XYZ	44.9584, 50.2383, 63.8356
YIQ	185.1700, -21.0900, -3.2500

Conversions

Conversions Part 2

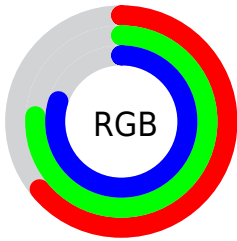
Format	Color
RYB	163, 180, 203
Decimal	10731979
CIELab	76.22, -7.90, -8.40
CIElCh	76, 11.532, 226.745
Yxy	50.2383, 0.2827, 0.3159
Android (android.graphics.Color)	4288922059 (0xFFA3C1CB)
YUV	185.1700, 8.7902, -19.4431
Hunter-Lab	70.8790, -10.8159, -3.7829

Details

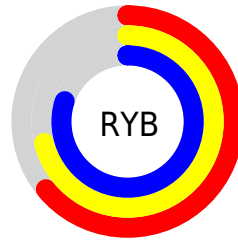
The Yxy color **50.2383, 0.2827, 0.3159** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.2470, 0.3489, 0.3417**, and the grayscale version is **48.5779, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8768, 0.2904, 0.3228**, and **24.0147, 0.2749, 0.3112** is the 20% darker color. If you saturate the color by 10%, you get **46.0563, 0.2680, 0.3083**, and if you desaturate by 10%, it is **54.8458, 0.2979, 0.3229**.

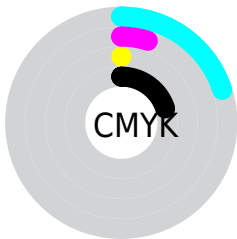
Distribution



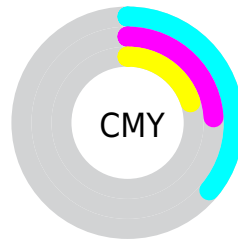
- Red (64%)
- Green (76%)
- Blue (80%)



- Red (64%)
- Yellow (71%)
- Blue (80%)



- Cyan (20%)
- Magenta (5%)
- Yellow (0%)
- Black (20%)




- Cyan (36%)
- Magenta (24%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.2383, 0.2827, 0.3159 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 50.2383, 0.2827, 0.3159 by changing the saturation by 10% instead.


 50.2383, 0.2827,
0.3159

 50.2383, 0.2827,
0.3159

387.5971, 0.2974,
0.3225

 35.6028, 0.2791,
0.3142


 90.5279, 0.2880,
0.3183

 24.1276, 0.2746,
0.3121


 116.9507, 0.2900,
0.3192

 15.4283, 0.2687,
0.3092


148.0714, 0.2917,
0.3200

 9.1205, 0.2606,
0.3052

184.2744, 0.2931,
0.3206

 4.8199, 0.2489,
0.2991

225.9441, 0.2944,
0.3212

 2.1420, 0.2305,
0.2891

273.4648, 0.2955,

 0.6881, 0.1819,

0.3217

0.2714

327.2210, 0.2965,
0.3221

0.0000, 0.0000,
0.0000

50.2383, 0.2827,
0.3159

50.2383, 0.2827,
0.3159

46.0563, 0.2680,
0.3083

54.8458, 0.2979,
0.3229

42.2764, 0.2540,
0.3002

59.8886, 0.3132,
0.3292

38.8821, 0.2411,
0.2916

65.3839, 0.3284,
0.3349

35.8535, 0.2295,
0.2826

71.3460, 0.3433,
0.3399

33.1679, 0.2197,
0.2734

75.9357, 0.3505,
0.3448

■ 30.8002, 0.2118,
0.2640

■ 78.6206, 0.3495,
0.3499

■ 28.7203, 0.2059,
0.2547

■ 81.3873, 0.3485,
0.3549

■ 26.8750, 0.2016,
0.2455

■ 84.2364, 0.3476,
0.3599

■ 26.8211, 0.2015,
0.2452

■ 87.1685, 0.3466,
0.3648

Harmonies

Analogous

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



50.2383, 0.2881, 0.3298



50.2383, 0.2827, 0.3159



50.2383, 0.2851, 0.3060

Triad

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



50.2383, 0.2827, 0.3159



50.2383, 0.3252, 0.3147



50.2383, 0.3305, 0.3566

Complementary

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



50.2383, 0.2827, 0.3159



45.2470, 0.3489, 0.3417

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.



50.2383, 0.3410, 0.3517



50.2383, 0.2827, 0.3159



50.2383, 0.3379, 0.3275

Square

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



50.2383, 0.2827, 0.3159



50.2383, 0.3094, 0.3057



50.2383, 0.3437, 0.3409



50.2383, 0.3155, 0.3539

Rectangle

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



50.2383, 0.2827, 0.3159



50.2383, 0.2908, 0.3029



50.2383, 0.3437, 0.3409



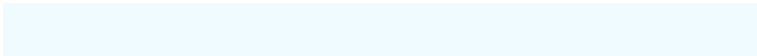
50.2383, 0.3347, 0.3558

Sweetspot

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



50.2404, 0.2827, 0.3159



94.7918, 0.3034, 0.3252



53.5259, 0.3033, 0.3689



20.1716, 0.3024, 0.3248



0.0000, 0.0000, 0.0000



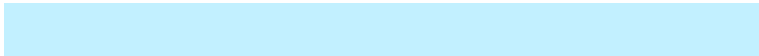
21.4041, 0.3127, 0.3290

Same Dimension

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



50.2404, 0.2827, 0.3159



80.7888, 0.2758, 0.3125



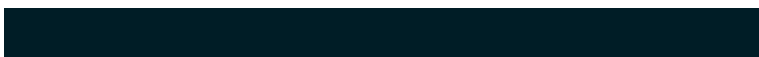
41.9973, 0.2811, 0.2890



12.2326, 0.2983, 0.3231



17.2171, 0.2018, 0.2465



1.0041, 0.2068, 0.2645

Inverse Universe

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



42.7519, 0.3237, 0.2922



66.0263, 0.3267, 0.2832



53.4913, 0.3443, 0.3660



11.3539, 0.3175, 0.3118



9.5411, 0.3957, 0.1954



0.5039, 0.3781, 0.1856

Previews

White Background



This preview shows how the Yxy color 50.2383, 0.2827, 0.3159 looks on a white background.

Color Contrast Check

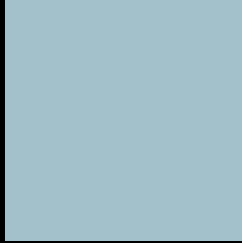
Large Text (above 18pt) WCAG AA × Fail

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 50.2383, 0.2827, 0.3159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

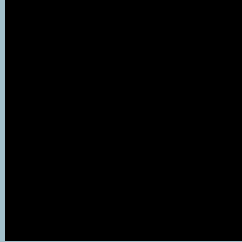
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

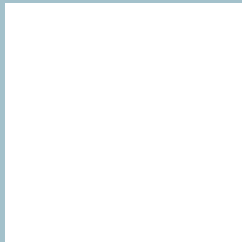
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.2383, 0.2827, 0.3159

Background



This preview shows how black text looks on a background with the Yxy color 50.2383, 0.2827, 0.3159.



This preview shows how white text looks on a background with the Yxy color 50.2383, 0.2827, 0.3159.

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

50.2383, 0.2827, 0.3159

Protanopia

49.9327, 0.3045, 0.3128

Deuteranopia

49.8694, 0.3082, 0.3011



Tritanopia

50.1459, 0.2800, 0.3083

Trichromacy



Original Color

50.2383, 0.2827, 0.3159

Protanomaly

50.1490, 0.2966, 0.3150

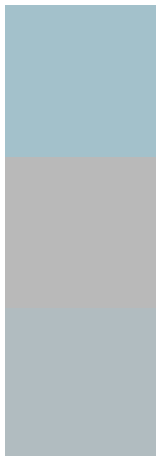
Deuteranomaly

49.7917, 0.2984, 0.3065

Tritanomaly

50.0480, 0.2813, 0.3108

Monochromacy



Original Color

50.2383, 0.2827, 0.3159

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

49.1193, 0.3008, 0.3238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.2383, 0.2827, 0.3159 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(163, 193, 203)` looks like.

```
.text, #text, p{  
    color:rgb(163, 193, 203)  
}
```

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(163, 193, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 193, 203) }
```

Border

The CSS property to change the border of an element to Yxy 50.2383, 0.2827, 0.3159 is called "border". The border property can be set on classes, ids or directly on the HTML element.

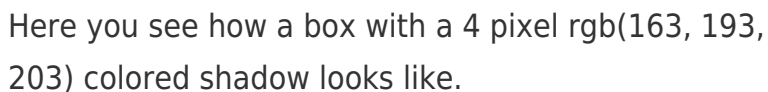
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(163, 193, 203) }
```

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

```
.border{ border-color:rgb(163, 193, 203) }
```

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



Here you see how a box with a 4 pixel `rgb(163, 193, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 193, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 193, 203);  
box-shadow:4px 4px 4px 4px rgb(163, 193,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 50.2383, 0.2827, 0.3159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 193, 203) }
```

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

```
.background{ background-color: rgb(163,  
193, 203) }
```

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