

Converting Colors

$Yxy(50.8643, 0.2801, 0.3233)$

Have a look what the booklet for
Yxy(50.8643, 0.2801, 0.3233)
contains.

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Color

Yxy(50.8181, 0.2807, 0.3236)

Conversions

Conversions Part 1

Format	Color
Hex	9DC4C8
RGB	157, 196, 200
RGB Percent	62%, 77%, 78%
CMY	0.3840, 0.2314, 0.2156
CMYK	0.21, 0.02, 0.00, 0.22
HSL	186°, 28%, 70%
HSV	186°, 21%, 78%
XYZ	44.0811, 50.8181, 62.1407
YIQ	184.7950, -24.5280, -7.0240

Conversions

Conversions Part 2

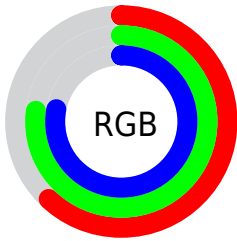
Format	Color
RYB	157, 177, 200
Decimal	10339528
CIELab	76.57, -11.98, -6.29
CIElCh	77, 13.529, 207.726
Yxy	50.8181, 0.2807, 0.3236
Android (android.graphics.Color)	4288529608 (0xFF9DC4C8)
YUV	184.7950, 7.4961, -24.3762
Hunter-Lab	71.2868, -14.3742, -1.7823

Details

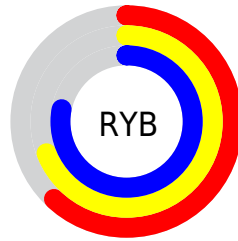
The Yxy color $50.8181, 0.2807, 0.3236$ is a light color, and the websafe version is hex $99CCCC$. A complement of this color would be $40.2435, 0.3546, 0.3343$, and the grayscale version is $48.3718, 0.3127, 0.3290$.

A 20% lighter version of the original color is $91.4676, 0.2871, 0.3269$, and $24.4246, 0.2724, 0.3217$ is the 20% darker color. If you saturate the color by 10%, you get $48.1273, 0.2671, 0.3208$, and if you desaturate by 10%, it is $53.8530, 0.2953, 0.3262$.

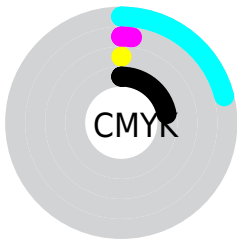
Distribution



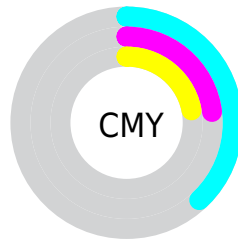
- Red (62%)
- Green (77%)
- Blue (78%)



- Red (62%)
- Yellow (69%)
- Blue (78%)



- Cyan (21%)
- Magenta (2%)
- Yellow (0%)
- Black (22%)





- Cyan (38%)
- Magenta (23%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.8181, 0.2807, 0.3236 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 50.8181, 0.2807, 0.3236 by changing the saturation by 10% instead.


 50.8181, 0.2807,
0.3236


 50.8181, 0.2807,
0.3236


389.8567, 0.2963,
0.3265

 36.0639, 0.2769,
0.3228


 91.3858, 0.2863,
0.3247

 24.4835, 0.2721,
0.3219


 117.9681, 0.2884,
0.3251

 15.6927, 0.2658,
0.3205


149.2619, 0.2902,
0.3254

 9.3070, 0.2572,
0.3185

185.6515, 0.2918,
0.3257

 4.9419, 0.2449,
0.3155

227.5214, 0.2931,
0.3259

 2.2132, 0.2255,
0.3101

275.2560, 0.2943,

 0.7272, 0.1673,

0.3261

0.3051

329.2396, 0.2954,
0.3263

0.0000, 0.0000,
0.0000

50.8181, 0.2807,
0.3236

50.8181, 0.2807,
0.3236

48.1273, 0.2671,
0.3208

53.8530, 0.2953,
0.3262

45.7585, 0.2547,
0.3178

57.2408, 0.3104,
0.3287

43.6962, 0.2438,
0.3147

60.9976, 0.3260,
0.3309

41.9214, 0.2346,
0.3115

65.1366, 0.3416,
0.3328

40.4129, 0.2273,
0.3083

69.2743, 0.3555,
0.3346

■ 39.1463, 0.2219,
0.3050

■ 70.1804, 0.3551,
0.3366

■ 38.0926, 0.2184,
0.3018

■ 71.0972, 0.3547,
0.3385

■ 37.3169, 0.2164,
0.2991

■ 72.0250, 0.3543,
0.3404

■ 72.9636, 0.3539,
0.3423

Harmonies

Analogous

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



50.8181, 0.2920, 0.3407



50.8181, 0.2807, 0.3236



50.8181, 0.2777, 0.3087

Triad

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



50.8181, 0.2807, 0.3236



50.8181, 0.3156, 0.3051



50.8181, 0.3421, 0.3585

Complementary

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



50.8181, 0.2807, 0.3236



40.2435, 0.3546, 0.3343

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.



50.8181, 0.3490, 0.3479



50.8181, 0.2807, 0.3236



50.8181, 0.3334, 0.3174

Square

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



50.8181, 0.2807, 0.3236



50.8181, 0.2975, 0.2986



50.8181, 0.3458, 0.3329



50.8181, 0.3274, 0.3613

Rectangle

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



50.8181, 0.2807, 0.3236



50.8181, 0.2808, 0.3019



50.8181, 0.3458, 0.3329



50.8181, 0.3455, 0.3557

Sweetspot

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



50.8202, 0.2807, 0.3236



96.2997, 0.3034, 0.3276



51.0535, 0.3075, 0.3830



20.5289, 0.3024, 0.3274



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.



50.8202, 0.2807, 0.3236



85.6131, 0.2739, 0.3222



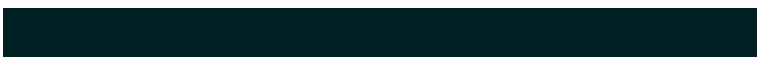
41.9920, 0.2787, 0.2950



11.8907, 0.2984, 0.3268



23.7930, 0.2166, 0.2996



1.1774, 0.2184, 0.3062

Inverse Universe

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



40.4038, 0.3188, 0.2809



64.3518, 0.3203, 0.2697



48.2251, 0.3491, 0.3608



10.7988, 0.3152, 0.3083



9.9419, 0.3458, 0.1679



0.4759, 0.3400, 0.1647

Previews

White Background



This preview shows how the Yxy color 50.8181, 0.2807, 0.3236 looks on a white background.

Color Contrast Check

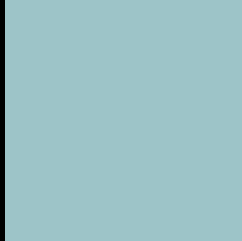
Large Text (above 18pt) WCAG AA × Fail

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 50.8181, 0.2807, 0.3236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

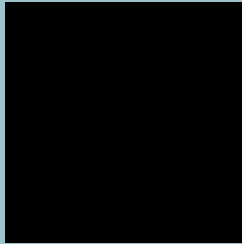
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

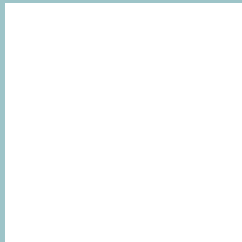
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.8181, 0.2807, 0.3236

Background



This preview shows how black text looks on a background with the Yxy color 50.8181, 0.2807, 0.3236.



This preview shows how white text looks on a background with the Yxy color 50.8181, 0.2807, 0.3236.

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

50.8181, 0.2807, 0.3236

Protanopia

50.4279, 0.3091, 0.3190

Deuteranopia

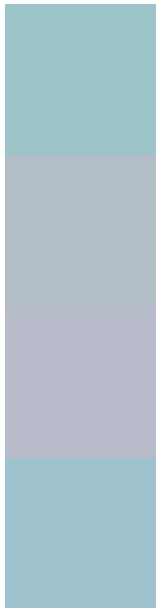
50.4581, 0.3113, 0.3049



Tritanopia

50.6076, 0.2754, 0.3082

Trichromacy



Original Color

50.8181, 0.2807, 0.3236

Protanomaly

50.3231, 0.2980, 0.3200

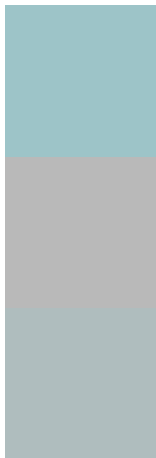
Deuteranomaly

50.4211, 0.2990, 0.3115

Tritanomaly

50.7555, 0.2774, 0.3146

Monochromacy



Original Color

50.8181, 0.2807, 0.3236

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

49.2269, 0.3007, 0.3277

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8181, 0.2807, 0.3236 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(157, 196, 200)` looks like.

```
.text, #text, p{  
    color:rgb(157, 196, 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(157, 196, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 196, 200) }
```

Border

The CSS property to change the border of an element to Yxy 50.8181, 0.2807, 0.3236 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(157, 196, 200) }
```

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

```
.border{ border-color:rgb(157, 196, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 196, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 196, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 196, 200);  
box-shadow:4px 4px 4px 4px rgb(157, 196,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8181, 0.2807, 0.3236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 196, 200) }
```

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

```
.background{ background-color: rgb(157,  
196, 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](#).

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