

Converting Colors

$Y_{xy}(48.0283, 0.2825, 0.3127)$

Have a look what the booklet for
Yxy(48.0283, 0.2825, 0.3127)
contains.

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Color

Yxy(48.1893, 0.2823, 0.3131)

Conversions

Conversions Part 1

Format	Color
Hex	A1BDC9
RGB	161, 189, 201
RGB Percent	63%, 74%, 79%
CMY	0.3683, 0.2589, 0.2117
CMYK	0.20, 0.06, 0.00, 0.21
HSL	198°, 27%, 71%
HSV	198°, 20%, 79%
XYZ	43.4489, 48.1893, 62.2721
YIQ	181.9960, -20.5400, -2.2040

Conversions

Conversions Part 2

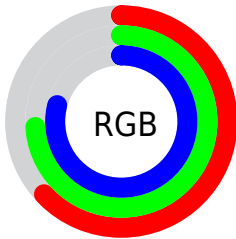
Format	Color
RYB	161, 177, 201
Decimal	10599881
CIELab	74.94, -6.83, -9.21
CIELCh	75, 11.470, 233.435
Yxy	48.1893, 0.2823, 0.3131
Android (android.graphics.Color)	4288789961 (0xFFA1BDC9)
YUV	181.9960, 9.3690, -18.4135
Hunter-Lab	69.4185, -9.7597, -4.5933

Details

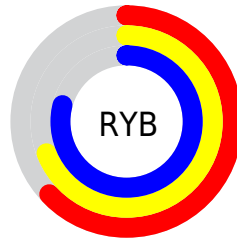
The Yxy color **48.1893, 0.2823, 0.3131** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.9155, 0.3488, 0.3444**, and the grayscale version is **46.7407, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1237, 0.2890, 0.3187**, and **22.9661, 0.2742, 0.3091** is the 20% darker color. If you saturate the color by 10%, you get **43.7186, 0.2673, 0.3039**, and if you desaturate by 10%, it is **53.1082, 0.2976, 0.3215**.

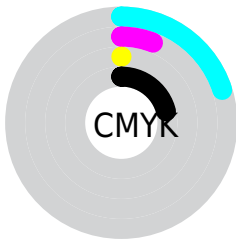
Distribution



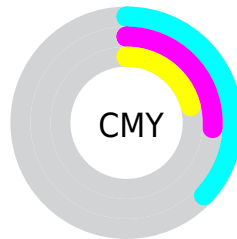
- Red (63%)
- Green (74%)
- Blue (79%)



- Red (63%)
- Yellow (69%)
- Blue (79%)



- Cyan (20%)
- Magenta (6%)
- Yellow (0%)
- Black (21%)



- Cyan (37%)
- Magenta (26%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.1893, 0.2823, 0.3131 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 48.1893, 0.2823, 0.3131 by changing the saturation by 10% instead.

■ 48.1893, 0.2823,
0.3131

■ 48.1893, 0.2823,
0.3131

■ 379.5420, 0.2973,
0.3211

■ 33.9768, 0.2786,
0.3111

■ 87.4862, 0.2877,
0.3160

■ 22.8758, 0.2740,
0.3085

■ 113.3394, 0.2897,
0.3171

■ 14.5018, 0.2678,
0.3049

■ 143.8416, 0.2915,
0.3181

■ 8.4705, 0.2594,
0.3000

■ 179.3773, 0.2930,
0.3189

■ 4.3975, 0.2471,
0.2926

■ 220.3307, 0.2943,
0.3195

■ 1.8983, 0.2275,
0.2803

■ 267.0864, 0.2954,

■ 0.5474, 0.1630,

0.3201

0.2525

320.0287, 0.2964,
0.3207

0.0000, 0.0000,
0.0000

48.1893, 0.2823,
0.3131

48.1893, 0.2823,
0.3131

43.7186, 0.2673,
0.3039

53.1082, 0.2976,
0.3215

39.6730, 0.2528,
0.2941

58.4857, 0.3129,
0.3291

36.0357, 0.2394,
0.2836

64.3390, 0.3280,
0.3359

32.7864, 0.2272,
0.2726

70.6827, 0.3427,
0.3420

29.9027, 0.2167,
0.2613

76.2622, 0.3518,
0.3477

■ 27.3592, 0.2081,
0.2499

■ 79.4808, 0.3506,
0.3537

■ 25.1260, 0.2014,
0.2385

■ 82.8152, 0.3494,
0.3596

■ 23.1487, 0.1965,
0.2273

■ 86.2668, 0.3482,
0.3655

■ 23.1233, 0.1964,
0.2272

■ 89.8367, 0.3470,
0.3713

Harmonies

Analogous

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



48.1893, 0.2860, 0.3265



48.1893, 0.2823, 0.3131



48.1893, 0.2865, 0.3044

Triad

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



48.1893, 0.2823, 0.3131



48.1893, 0.3286, 0.3172



48.1893, 0.3275, 0.3569

Complementary

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



48.1893, 0.2823, 0.3131



44.9155, 0.3488, 0.3444

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.



48.1893, 0.3394, 0.3536



48.1893, 0.2823, 0.3131



48.1893, 0.3401, 0.3305

Square

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



48.1893, 0.2823, 0.3131



48.1893, 0.3129, 0.3071



48.1893, 0.3441, 0.3438



48.1893, 0.3119, 0.3524

Rectangle

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



48.1893, 0.2823, 0.3131



48.1893, 0.2932, 0.3023



48.1893, 0.3441, 0.3438



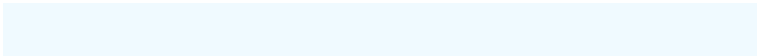
48.1893, 0.3321, 0.3567

Sweetspot

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



48.1913, 0.2823, 0.3131



94.3100, 0.3034, 0.3245



52.3792, 0.3019, 0.3665



20.0575, 0.3024, 0.3240



0.0000, 0.0000, 0.0000



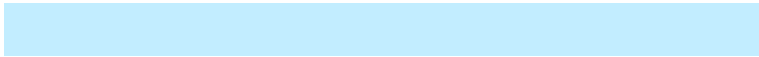
21.4041, 0.3127, 0.3290

Same Dimension

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



48.1913, 0.2823, 0.3131



78.9892, 0.2755, 0.3091



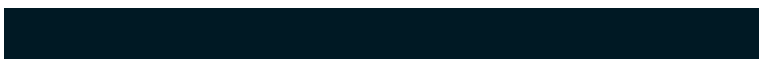
40.1993, 0.2806, 0.2859



11.5078, 0.2984, 0.3219



14.7051, 0.1969, 0.2288



0.8189, 0.2034, 0.2521

Inverse Universe

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



41.6065, 0.3256, 0.2943



65.8446, 0.3291, 0.2862



53.1419, 0.3441, 0.3687



10.7601, 0.3183, 0.3130



9.0245, 0.4139, 0.2054



0.4397, 0.3901, 0.1923

Previews

White Background



This preview shows how the Yxy color 48.1893, 0.2823, 0.3131 looks on a white background.

Color Contrast Check

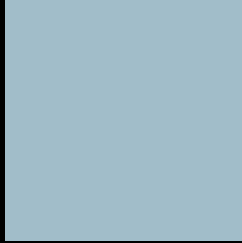
Large Text (above 18pt) WCAG AA × Fail

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 48.1893, 0.2823, 0.3131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

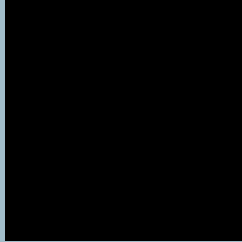
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

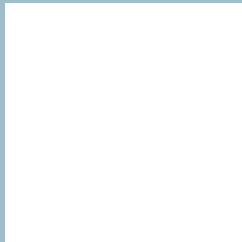
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.1893, 0.2823, 0.3131

Background



This preview shows how black text looks on a background with the Yxy color 48.1893, 0.2823, 0.3131.



This preview shows how white text looks on a background with the Yxy color 48.1893, 0.2823, 0.3131.

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

48.1893, 0.2823, 0.3131

Protanopia

48.0885, 0.3028, 0.3112

Deuteranopia

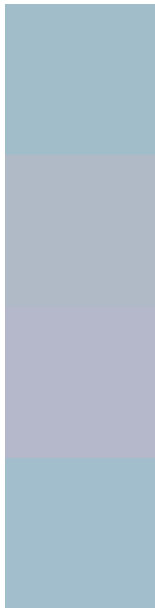
47.8895, 0.3057, 0.2994



Tritanopia

48.4362, 0.2810, 0.3093

Trichromacy



Original Color

48.1893, 0.2823, 0.3131

Protanomaly

48.0052, 0.2956, 0.3122

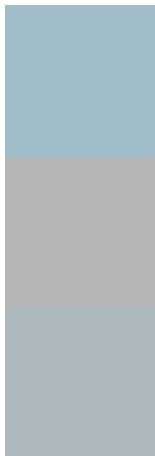
Deuteranomaly

47.9550, 0.2966, 0.3049

Tritanomaly

48.3884, 0.2816, 0.3106

Monochromacy



Original Color

48.1893, 0.2823, 0.3131

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.3707, 0.3006, 0.3237

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1893, 0.2823, 0.3131 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(161, 189, 201)` looks like.

```
.text, #text, p{  
    color:rgb(161, 189, 201)  
}
```

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(161, 189, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 189, 201) }
```

Border

The CSS property to change the border of an element to Yxy 48.1893, 0.2823, 0.3131 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(161, 189, 201) }
```

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

```
.border{ border-color:rgb(161, 189, 201) }
```

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

Here you see how a box with a 4 pixel rgb(161, 189, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 189, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 189, 201);  
box-shadow:4px 4px 4px 4px rgb(161, 189,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1893, 0.2823, 0.3131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 189, 201) }
```

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

```
.background{ background-color: rgb(161,  
189, 201) }
```

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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