

Converting Colors

$Y_{xy}(48.8960, 0.2772, 0.3182)$

Have a look what the booklet for
Yxy(48.8960, 0.2772, 0.3182)
contains.

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Color

Yxy(49.1293, 0.2769, 0.3183)

Conversions

Conversions Part 1

Format	Color
Hex	99C1C9
RGB	153, 193, 201
RGB Percent	60%, 76%, 79%
CMY	0.4002, 0.2431, 0.2118
CMYK	0.24, 0.04, 0.00, 0.21
HSL	190°, 31%, 69%
HSV	190°, 24%, 79%
XYZ	42.7392, 49.1293, 62.4805
YIQ	181.9520, -26.4080, -5.9920

Conversions

Conversions Part 2

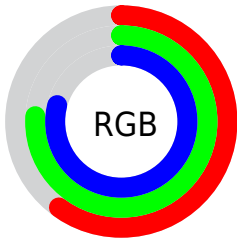
Format	Color
R _Y B	153, 175, 201
Decimal	10076617
CIE Lab	75.53, -11.47, -8.38
CIE LCh	76, 14.211, 216.157
Yxy	49.1293, 0.2769, 0.3183
Android (android.graphics.Color)	4288266697 (0xFF99C1C9)
YUV	181.9520, 9.3907, -25.3909
Hunter-Lab	70.0923, -13.8199, -3.7867

Details

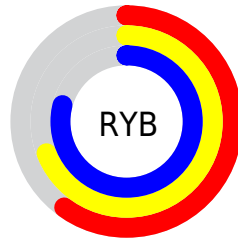
The Yxy color **49.1293, 0.2769, 0.3183** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.1710, 0.3596, 0.3394**, and the grayscale version is **46.7049, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3813, 0.2846, 0.3227**, and **23.3385, 0.2675, 0.3143** is the 20% darker color. If you saturate the color by 10%, you get **45.8811, 0.2630, 0.3132**, and if you desaturate by 10%, it is **52.7441, 0.2916, 0.3230**.

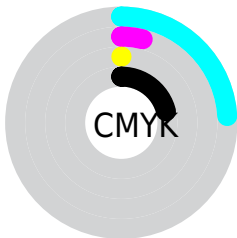
Distribution



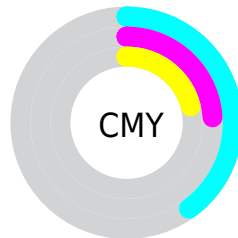
- Red (60%)
- Green (76%)
- Blue (79%)



- Red (60%)
- Yellow (69%)
- Blue (79%)



- Cyan (24%)
- Magenta (4%)
- Yellow (0%)
- Black (21%)





- Cyan (40%)
- Magenta (24%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.1293, 0.2769, 0.3183 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 49.1293, 0.2769, 0.3183 by changing the saturation by 10% instead.


 49.1293, 0.2769,
0.3183


 49.1293, 0.2769,
0.3183


383.2511, 0.2945,
0.3238

 34.7221, 0.2726,
0.3169


 88.8835, 0.2832,
0.3204

 23.4489, 0.2672,
0.3150

 114.9992, 0.2856,
0.3211

 14.9253, 0.2601,
0.3125

145.7865, 0.2876,
0.3217

 8.7670, 0.2504,
0.3089

181.6298, 0.2894,
0.3223

 4.5895, 0.2363,
0.3033

222.9136, 0.2909,
0.3228

 2.0085, 0.2143,
0.2938

270.0221, 0.2922,

 0.6124, 0.1374,

0.3232

0.2787

323.3398, 0.2934,
0.3235

0.0000, 0.0000,
0.0000

49.1293, 0.2769,
0.3183

49.1293, 0.2769,
0.3183

45.8811, 0.2630,
0.3132

52.7441, 0.2916,
0.3230

42.9767, 0.2503,
0.3078

56.7350, 0.3067,
0.3274

40.4001, 0.2390,
0.3021

61.1187, 0.3221,
0.3314

38.1312, 0.2293,
0.2963

65.9088, 0.3375,
0.3349

36.1477, 0.2215,
0.2903

71.1185, 0.3526,
0.3381

■ 34.4239, 0.2156,
0.2844

■ 73.0745, 0.3531,
0.3414

■ 32.9285, 0.2116,
0.2785

■ 74.7688, 0.3524,
0.3448

■ 32.0948, 0.2097,
0.2749

■ 76.4979, 0.3518,
0.3481

■ 78.2618, 0.3511,
0.3515

Harmonies

Analogous

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



49.1293, 0.2866, 0.3364



49.1293, 0.2769, 0.3183



49.1293, 0.2764, 0.3039

Triad

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



49.1293, 0.2769, 0.3183



49.1293, 0.3214, 0.3068



49.1293, 0.3402, 0.3622

Complementary

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



49.1293, 0.2769, 0.3183



40.1710, 0.3596, 0.3394

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.



49.1293, 0.3503, 0.3529



49.1293, 0.2769, 0.3183



49.1293, 0.3392, 0.3211

Square

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



49.1293, 0.2769, 0.3183



49.1293, 0.3016, 0.2979



49.1293, 0.3499, 0.3378



49.1293, 0.3230, 0.3624

Rectangle

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



49.1293, 0.2769, 0.3183



49.1293, 0.2814, 0.2982



49.1293, 0.3499, 0.3378



49.1293, 0.3446, 0.3599

Sweetspot

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



49.1313, 0.2769, 0.3183



94.8961, 0.3018, 0.3261



51.0772, 0.3047, 0.3855



20.2209, 0.3009, 0.3258



0.0000, 0.0000, 0.0000



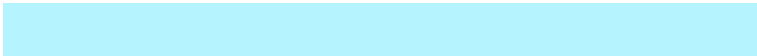
21.4041, 0.3127, 0.3290

Same Dimension

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



49.1313, 0.2769, 0.3183



80.9930, 0.2692, 0.3155



39.6408, 0.2743, 0.2861



11.7565, 0.2984, 0.3251



20.2977, 0.2100, 0.2758



1.0430, 0.2133, 0.2880

Inverse Universe

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



39.0293, 0.3227, 0.2793



60.7832, 0.3254, 0.2676



49.0657, 0.3530, 0.3684



10.7852, 0.3162, 0.3099



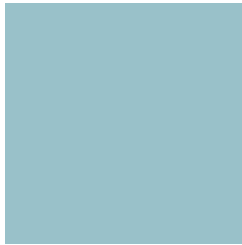
9.5891, 0.3674, 0.1797



0.4623, 0.3561, 0.1736

Previews

White Background



This preview shows how the Yxy color 49.1293, 0.2769, 0.3183 looks on a white background.

Color Contrast Check

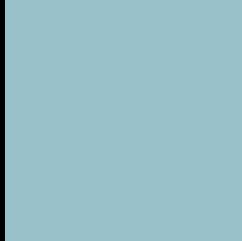
Large Text (above 18pt) WCAG AA × Fail

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 49.1293, 0.2769, 0.3183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

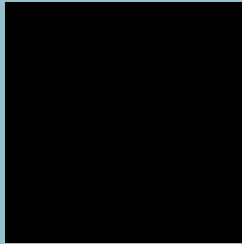
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

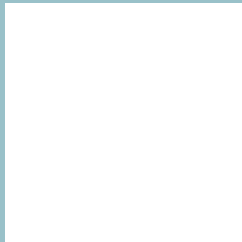
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.1293, 0.2769, 0.3183

Background



This preview shows how black text looks on a background with the Yxy color 49.1293, 0.2769, 0.3183.



This preview shows how white text looks on a background with the Yxy color 49.1293, 0.2769, 0.3183.

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

49.1293, 0.2769, 0.3183

Protanopia

48.7056, 0.3051, 0.3138

Deuteranopia

48.6043, 0.3065, 0.2996



Tritanopia

49.0743, 0.2737, 0.3092

Trichromacy



Original Color

49.1293, 0.2769, 0.3183

Protanomaly

48.6165, 0.2941, 0.3148

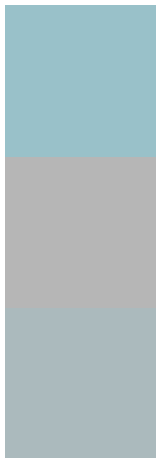
Deuteranomaly

48.7130, 0.2951, 0.3062

Tritanomaly

48.9771, 0.2749, 0.3117

Monochromacy



Original Color

49.1293, 0.2769, 0.3183

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.4499, 0.2982, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1293, 0.2769, 0.3183 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, 193, 201)` looks like.

```
.text, #text, p{  
    color:rgb(153, 193, 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(153, 193, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 193, 201) }
```

Border

The CSS property to change the border of an element to Yxy 49.1293, 0.2769, 0.3183 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, 193, 201) }
```

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

```
.border{ border-color:rgb(153, 193, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 193, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 193, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 193, 201);  
box-shadow:4px 4px 4px 4px rgb(153, 193,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1293, 0.2769, 0.3183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 193, 201) }
```

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

```
.background{ background-color: rgb(153,  
193, 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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