

Converting Colors

$Y_{xy}(49.2208, 0.2774, 0.3194)$

Have a look what the booklet for
Yxy(49.2208, 0.2774, 0.3194)
contains.

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Color

Yxy(49.0824, 0.2776, 0.3196)

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 99C1C8 |
| RGB | 153, 193, 200 |
| RGB Percent | 60%, 76%, 78% |
| CMY | 0.3999, 0.2431, 0.2157 |
| CMYK | 0.23, 0.03, 0.00, 0.22 |
| HSL | 189°, 30%, 69% |
| HSV | 189°, 23%, 78% |
| XYZ | 42.6323, 49.0824, 61.8598 |
| YIQ | 181.8380, -26.0870, -6.3030 |

Conversions

Conversions Part 2

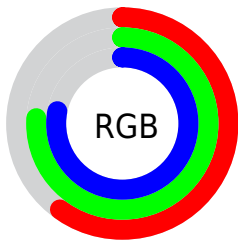
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 153, 175, 200 |
| Decimal | 10076616 |
| CIE _{Lab} | 75.50, -11.67, -7.88 |
| CIE _{LCh} | 76, 14.081, 214.041 |
| Yxy | 49.0824, 0.2776, 0.3196 |
| Android (android.graphics.Color) | 4288266696 (0xFF99C1C8) |
| YUV | 181.8380, 8.9539, -25.2909 |
| Hunter-Lab | 70.0588, -13.9820, -3.3101 |

Details

The Yxy color **49.0824, 0.2776, 0.3196** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.7176, 0.3588, 0.3382**, and the grayscale version is **46.6493, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3813, 0.2846, 0.3227**, and **23.3073, 0.2683, 0.3161** is the 20% darker color. If you saturate the color by 10%, you get **45.9975, 0.2638, 0.3151**, and if you desaturate by 10%, it is **52.5238, 0.2922, 0.3238**.

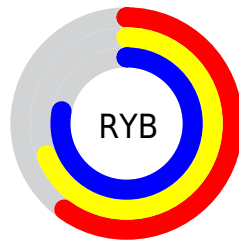
Distribution



Red (60%)

Green (76%)

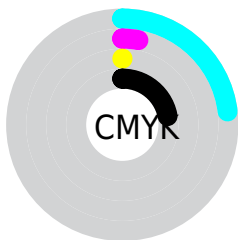
Blue (78%)



Red (60%)

Yellow (69%)

Blue (78%)

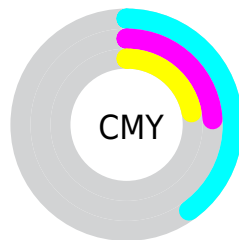


Cyan (23%)

Magenta (3%)

Yellow (0%)

Black (22%)



Cyan (40%)


Magenta (24%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.0824, 0.2776, 0.3196 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 49.0824, 0.2776, 0.3196 by changing the saturation by 10% instead.


 49.0824, 0.2776,
0.3196


 49.0824, 0.2776,
0.3196


383.0666, 0.2948,
0.3245

 34.6848, 0.2734,
0.3183


 88.8138, 0.2838,
0.3214

 23.4202, 0.2681,
0.3167


 114.9165, 0.2861,
0.3221

 14.9041, 0.2611,
0.3144


145.6896, 0.2881,
0.3226

 8.7521, 0.2515,
0.3112

181.5177, 0.2898,
0.3231

 4.5798, 0.2377,
0.3062

222.7850, 0.2913,
0.3235

 2.0029, 0.2160,
0.2975

269.8760, 0.2926,

 0.6092, 0.1375,

0.3239

0.2847

323.1751, 0.2938,
0.3242

0.0000, 0.0000,
0.0000

49.0824, 0.2776,
0.3196

49.0824, 0.2776,
0.3196

45.9975, 0.2638,
0.3151

52.5238, 0.2922,
0.3238

43.2468, 0.2512,
0.3102

56.3311, 0.3074,
0.3277

40.8144, 0.2400,
0.3052

60.5204, 0.3228,
0.3313

38.6808, 0.2305,
0.3000

65.1055, 0.3382,
0.3344

36.8241, 0.2228,
0.2947

70.0989, 0.3534,
0.3373

■ 35.2191, 0.2171,
0.2895

■ 71.9368, 0.3543,
0.3402

■ 33.8353, 0.2132,
0.2842

■ 73.4259, 0.3537,
0.3433

■ 33.0169, 0.2114,
0.2808

■ 74.9424, 0.3531,
0.3463

■ 76.4865, 0.3525,
0.3492

Harmonies

Analogous

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



49.0824, 0.2878, 0.3376



49.0824, 0.2776, 0.3196



49.0824, 0.2765, 0.3050

Triad

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



49.0824, 0.2776, 0.3196



49.0824, 0.3199, 0.3061



49.0824, 0.3410, 0.3615

Complementary

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



49.0824, 0.2776, 0.3196



39.7176, 0.3588, 0.3382

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.



49.0824, 0.3503, 0.3518



49.0824, 0.2776, 0.3196



49.0824, 0.3379, 0.3201

Square

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



49.0824, 0.2776, 0.3196



49.0824, 0.3004, 0.2979



49.0824, 0.3492, 0.3366



49.0824, 0.3242, 0.3624

Rectangle

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



49.0824, 0.2776, 0.3196



49.0824, 0.2810, 0.2989



49.0824, 0.3492, 0.3366



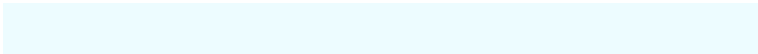
49.0824, 0.3451, 0.3591

Sweetspot

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



49.0844, 0.2776, 0.3196



95.0893, 0.3018, 0.3264



50.5877, 0.3053, 0.3855



20.2657, 0.3009, 0.3261



0.0000, 0.0000, 0.0000



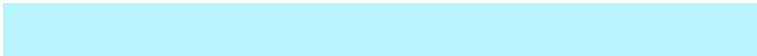
21.4041, 0.3127, 0.3290

Same Dimension

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



49.0844, 0.2776, 0.3196



82.2962, 0.2707, 0.3174



39.7814, 0.2751, 0.2881



11.7885, 0.2984, 0.3255



21.1006, 0.2116, 0.2816



1.0742, 0.2146, 0.2924

Inverse Universe

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



38.9148, 0.3217, 0.2793



61.9303, 0.3240, 0.2686



48.3463, 0.3524, 0.3667



10.7885, 0.3160, 0.3096



9.6701, 0.3620, 0.1768



0.4655, 0.3522, 0.1714

Previews

White Background



This preview shows how the Yxy color 49.0824, 0.2776, 0.3196 looks on a white background.

Color Contrast Check

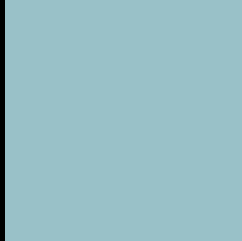
Large Text (above 18pt) WCAG AA × Fail

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 49.0824, 0.2776, 0.3196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

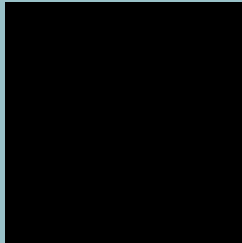
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

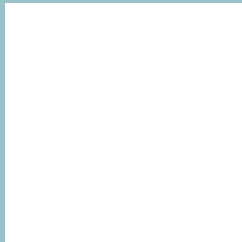
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.0824, 0.2776, 0.3196

Background



This preview shows how black text looks on a background with the Yxy color 49.0824, 0.2776, 0.3196.



This preview shows how white text looks on a background with the Yxy color 49.0824, 0.2776, 0.3196.

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

49.0824, 0.2776, 0.3196

Protanopia

48.6602, 0.3059, 0.3151

Deuteranopia

48.6901, 0.3081, 0.3009



Tritanopia

49.1728, 0.2744, 0.3092

Trichromacy



Original Color

49.0824, 0.2776, 0.3196

Protanomaly

48.5705, 0.2948, 0.3160

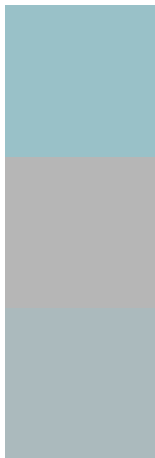
Deuteranomaly

48.6655, 0.2958, 0.3074

Tritanomaly

48.9289, 0.2756, 0.3130

Monochromacy



Original Color

49.0824, 0.2776, 0.3196

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 49.0824, 0.2776, 0.3196 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, 200)` looks like.

```
.text, #text, p{  
    color:rgb(153, 193, 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, 193, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 193, 200) }
```

Border

The CSS property to change the border of an element to Yxy 49.0824, 0.2776, 0.3196 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, 200) }
```

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

```
.border{ border-color:rgb(153, 193, 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, 193, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 193, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 193, 200);  
box-shadow:4px 4px 4px 4px rgb(153, 193,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0824, 0.2776, 0.3196 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, 200) }
```

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

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