

Converting Colors

$Y_{xy}(49.8263, 0.2798, 0.3158)$

Have a look what the booklet for
Yxy(49.8263, 0.2798, 0.3158)
contains.

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Color

Yxy(49.8227, 0.2798, 0.3158)

Conversions

Conversions Part 1

Format	Color
Hex	9FC1CB
RGB	159, 193, 203
RGB Percent	62%, 76%, 80%
CMY	0.3766, 0.2431, 0.2038
CMYK	0.22, 0.05, 0.00, 0.20
HSL	194°, 30%, 71%
HSV	194°, 22%, 80%
XYZ	44.1431, 49.8227, 63.8008
YIQ	183.9740, -23.4740, -4.0980

Conversions

Conversions Part 2

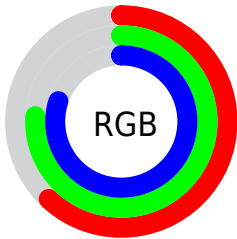
Format	Color
RYB	159, 178, 203
Decimal	10469835
CIELab	75.96, -9.17, -8.81
CIElCh	76, 12.716, 223.839
Yxy	49.8227, 0.2798, 0.3158
Android (android.graphics.Color)	4288659915 (0xFF9FC1CB)
YUV	183.9740, 9.3798, -21.9022
Hunter-Lab	70.5852, -11.8924, -4.1816

Details

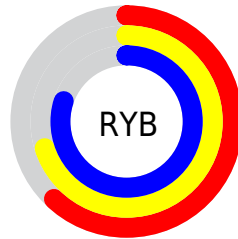
The Yxy color **49.8227, 0.2798, 0.3158** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.5648, 0.3536, 0.3418**, and the grayscale version is **47.8723, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.2675, 0.2880, 0.3228**, and **23.7610, 0.2712, 0.3110** is the 20% darker color. If you saturate the color by 10%, you get **45.9102, 0.2653, 0.3089**, and if you desaturate by 10%, it is **54.1437, 0.2948, 0.3222**.

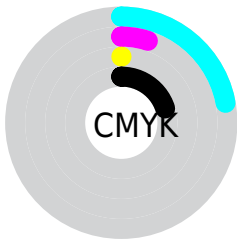
Distribution



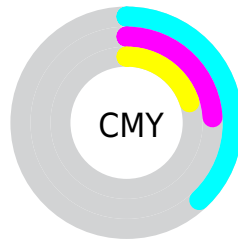
- Red (62%)
- Green (76%)
- Blue (80%)



- Red (62%)
- Yellow (70%)
- Blue (80%)



- Cyan (22%)
- Magenta (5%)
- Yellow (0%)
- Black (20%)



- Cyan (38%)
- Magenta (24%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.8227, 0.2798, 0.3158 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 49.8227, 0.2798, 0.3158 by changing the saturation by 10% instead.

■ 49.8227, 0.2798,
0.3158

■ 49.8227, 0.2798,
0.3158

■ 385.9722, 0.2959,
0.3225

■ 35.2725, 0.2759,
0.3141

■ 89.9121, 0.2856,
0.3183

■ 23.8729, 0.2709,
0.3119

■ 116.2202, 0.2878,
0.3192

■ 15.2394, 0.2644,
0.3089

■ 147.2163, 0.2896,
0.3200

■ 8.9875, 0.2555,
0.3048

■ 183.2850, 0.2912,
0.3206

■ 4.7331, 0.2427,
0.2985

■ 224.8105, 0.2926,
0.3212

■ 2.0915, 0.2226,
0.2880

■ 272.1772, 0.2939,

■ 0.6598, 0.1648,

0.3217

0.2697

325.7697, 0.2949,
0.3221

0.0000, 0.0000,
0.0000

49.8227, 0.2798,
0.3158

49.8227, 0.2798,
0.3158

45.9102, 0.2653,
0.3089

54.1437, 0.2948,
0.3222

42.3829, 0.2518,
0.3014

58.8831, 0.3101,
0.3281

39.2242, 0.2394,
0.2936

64.0581, 0.3254,
0.3333

36.4137, 0.2285,
0.2854

69.6830, 0.3405,
0.3381

33.9288, 0.2194,
0.2771

74.7190, 0.3510,
0.3424

■ 31.7436, 0.2122,
0.2687

■ 77.1160, 0.3501,
0.3470

■ 29.8272, 0.2070,
0.2604

■ 79.5799, 0.3492,
0.3516

■ 28.3952, 0.2038,
0.2535

■ 82.1111, 0.3483,
0.3562

■ 84.7103, 0.3474,
0.3607

Harmonies

Analogous

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



49.8227, 0.2865, 0.3314



49.8227, 0.2798, 0.3158



49.8227, 0.2816, 0.3044

Triad

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



49.8227, 0.2798, 0.3158



49.8227, 0.3249, 0.3121



49.8227, 0.3338, 0.3594

Complementary

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



49.8227, 0.2798, 0.3158



43.5648, 0.3536, 0.3418

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.



49.8227, 0.3447, 0.3531



49.8227, 0.2798, 0.3158



49.8227, 0.3395, 0.3258

Square

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



49.8227, 0.2798, 0.3158



49.8227, 0.3073, 0.3026



49.8227, 0.3468, 0.3407



49.8227, 0.3174, 0.3573

Rectangle

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



49.8227, 0.2798, 0.3158



49.8227, 0.2874, 0.3005



49.8227, 0.3468, 0.3407



49.8227, 0.3382, 0.3581

Sweetspot

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



49.8247, 0.2798, 0.3158



94.2108, 0.3019, 0.3250



52.9336, 0.3034, 0.3755



20.0618, 0.3009, 0.3246



0.0000, 0.0000, 0.0000



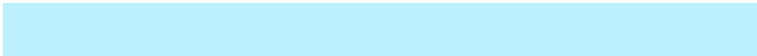
21.4041, 0.3127, 0.3290

Same Dimension

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



49.8247, 0.2798, 0.3158



80.2861, 0.2730, 0.3126



40.9734, 0.2777, 0.2865



12.2780, 0.2983, 0.3236



18.2093, 0.2041, 0.2547



1.0481, 0.2086, 0.2708

Inverse Universe

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



41.3327, 0.3241, 0.2871



63.8140, 0.3270, 0.2779



52.2603, 0.3482, 0.3682



11.3584, 0.3172, 0.3113



9.6412, 0.3876, 0.1909



0.5084, 0.3720, 0.1823

Previews

White Background



This preview shows how the Yxy color 49.8227, 0.2798, 0.3158 looks on a white background.

Color Contrast Check

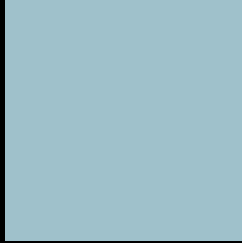
Large Text (above 18pt) WCAG AA × Fail

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 49.8227, 0.2798, 0.3158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

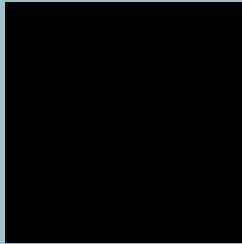
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

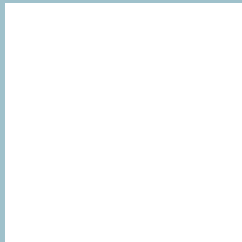
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.8227, 0.2798, 0.3158

Background



This preview shows how black text looks on a background with the Yxy color 49.8227, 0.2798, 0.3158.



This preview shows how white text looks on a background with the Yxy color 49.8227, 0.2798, 0.3158.

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

49.8227, 0.2798, 0.3158

Protanopia

49.8061, 0.3037, 0.3127

Deuteranopia

49.5994, 0.3065, 0.3010



Tritanopia

49.7269, 0.2772, 0.3081

Trichromacy



Original Color

49.8227, 0.2798, 0.3158

Protanomaly

49.9124, 0.2950, 0.3149

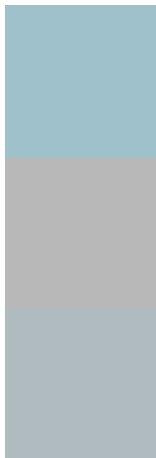
Deuteranomaly

49.5447, 0.2968, 0.3064

Tritanomaly

49.6291, 0.2785, 0.3107

Monochromacy



Original Color

49.8227, 0.2798, 0.3158

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.4162, 0.2999, 0.3238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8227, 0.2798, 0.3158 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(159, 193, 203)` looks like.

```
.text, #text, p{  
    color:rgb(159, 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(159, 193, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 193, 203) }
```

Border

The CSS property to change the border of an element to Yxy 49.8227, 0.2798, 0.3158 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(159, 193, 203) }
```

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

```
.border{ border-color:rgb(159, 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(159, 193, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 193, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 193, 203);  
box-shadow:4px 4px 4px 4px rgb(159, 193,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8227, 0.2798, 0.3158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 193, 203) }
```

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

```
.background{ background-color: rgb(159,  
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](#).

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