

Converting Colors

$Yxy(49.7582, 0.2799, 0.3174)$

Have a look what the booklet for
Yxy(49.7582, 0.2799, 0.3174)
contains.

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Color

Yxy(49.6733, 0.2798, 0.3171)

Conversions

Conversions Part 1

Format	Color
Hex	9EC1CA
RGB	158, 193, 202
RGB Percent	62%, 76%, 79%
CMY	0.3804, 0.2431, 0.2079
CMYK	0.22, 0.04, 0.00, 0.21
HSL	192°, 29%, 71%
HSV	192°, 22%, 79%
XYZ	43.8303, 49.6733, 63.1451
YIQ	183.5610, -23.7490, -4.6210

Conversions

Conversions Part 2

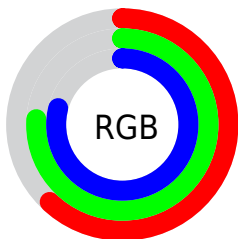
Format	Color
RYB	158, 177, 202
Decimal	10404298
CIELab	75.87, -9.69, -8.39
CIELCh	76, 12.820, 220.885
Yxy	49.6733, 0.2798, 0.3171
Android (android.graphics.Color)	4288594378 (0xFF9EC1CA)
YUV	183.5610, 9.0904, -22.4170
Hunter-Lab	70.4793, -12.3315, -3.7847

Details

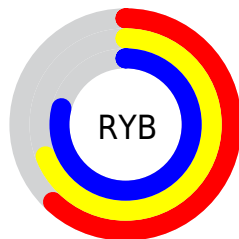
The Yxy color **49.6733, 0.2798, 0.3171** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.6562, 0.3540, 0.3406**, and the grayscale version is **47.6381, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1175, 0.2874, 0.3228**, and **23.6675, 0.2711, 0.3127** is the 20% darker color. If you saturate the color by 10%, you get **45.9941, 0.2655, 0.3109**, and if you desaturate by 10%, it is **53.7441, 0.2947, 0.3229**.

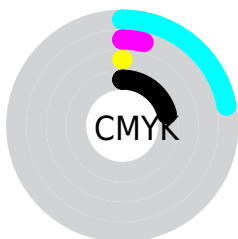
Distribution



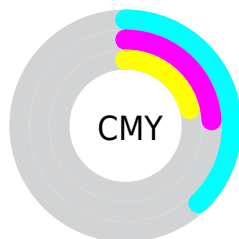
- Red (62%)
- Green (76%)
- Blue (79%)



- Red (62%)
- Yellow (69%)
- Blue (79%)



- Cyan (22%)
- Magenta (4%)
- Yellow (0%)
- Black (21%)



- Cyan (38%)
- Magenta (24%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.6733, 0.2798, 0.3171 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 49.6733, 0.2798, 0.3171 by changing the saturation by 10% instead.

■ 49.6733, 0.2798,
0.3171

■ 49.6733, 0.2798,
0.3171

■ 385.3870, 0.2959,
0.3232

■ 35.1539, 0.2759,
0.3155

■ 89.6906, 0.2856,
0.3193

■ 23.7814, 0.2709,
0.3135

■ 115.9573, 0.2878,
0.3202

■ 15.1716, 0.2644,
0.3108

■ 146.9086, 0.2896,
0.3209

■ 8.9399, 0.2555,
0.3070

■ 182.9288, 0.2912,
0.3215

■ 4.7020, 0.2426,
0.3012

■ 224.4023, 0.2926,
0.3220

■ 2.0735, 0.2224,
0.2915

■ 271.7136, 0.2939,

■ 0.6497, 0.1611,

0.3224

0.2749

325.2470, 0.2950,
0.3228

0.0000, 0.0000,
0.0000

49.6733, 0.2798,
0.3171

49.6733, 0.2798,
0.3171

45.9941, 0.2655,
0.3109

53.7441, 0.2947,
0.3229

42.6835, 0.2521,
0.3042

58.2161, 0.3100,
0.3281

39.7253, 0.2400,
0.2972

63.1061, 0.3253,
0.3329

37.0996, 0.2295,
0.2900

68.4280, 0.3405,
0.3371

34.7842, 0.2207,
0.2826

73.4287, 0.3523,
0.3410

■ 32.7536, 0.2139,
0.2751

■ 75.5383, 0.3514,
0.3452

■ 30.9774, 0.2090,
0.2677

■ 77.7011, 0.3506,
0.3493

■ 29.6620, 0.2060,
0.2616

■ 79.9175, 0.3498,
0.3534

■ 82.1878, 0.3489,
0.3575

Harmonies

Analogous

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



49.6733, 0.2873, 0.3331



49.6733, 0.2798, 0.3171



49.6733, 0.2808, 0.3050

Triad

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



49.6733, 0.2798, 0.3171



49.6733, 0.3233, 0.3107



49.6733, 0.3354, 0.3594

Complementary

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



49.6733, 0.2798, 0.3171



42.6562, 0.3540, 0.3406

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.



49.6733, 0.3456, 0.3523



49.6733, 0.2798, 0.3171



49.6733, 0.3386, 0.3243

Square

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



49.6733, 0.2798, 0.3171



49.6733, 0.3055, 0.3018



49.6733, 0.3468, 0.3394



49.6733, 0.3192, 0.3581

Rectangle

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



49.6733, 0.2798, 0.3171



49.6733, 0.2861, 0.3006



49.6733, 0.3468, 0.3394



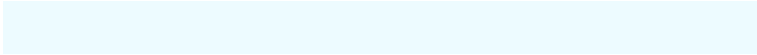
49.6733, 0.3396, 0.3579

Sweetspot

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



49.6753, 0.2798, 0.3171



94.4667, 0.3018, 0.3254



52.2867, 0.3039, 0.3767



20.1212, 0.3009, 0.3251



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.



49.6753, 0.2798, 0.3171



81.1844, 0.2731, 0.3143



40.7349, 0.2777, 0.2874



12.3228, 0.2983, 0.3242



19.2201, 0.2063, 0.2626



1.0925, 0.2103, 0.2770

Inverse Universe

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



40.8609, 0.3232, 0.2858



63.9047, 0.3258, 0.2764



51.3290, 0.3484, 0.3674



11.3630, 0.3168, 0.3107



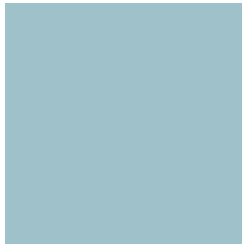
9.7433, 0.3799, 0.1866



0.5128, 0.3662, 0.1791

Previews

White Background



This preview shows how the Yxy color 49.6733, 0.2798, 0.3171 looks on a white background.

Color Contrast Check

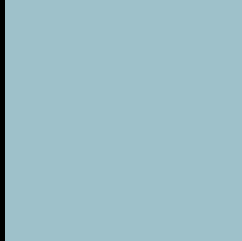
Large Text (above 18pt) WCAG AA × Fail

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 49.6733, 0.2798, 0.3171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

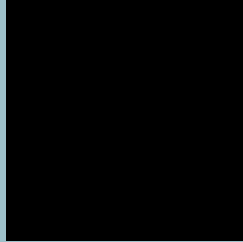
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

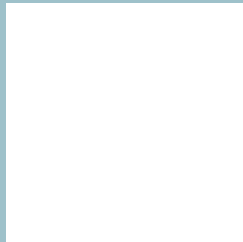
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.6733, 0.2798, 0.3171

Background



This preview shows how black text looks on a background with the Yxy color 49.6733, 0.2798, 0.3171.



This preview shows how white text looks on a background with the Yxy color 49.6733, 0.2798, 0.3171.

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

49.6733, 0.2798, 0.3171

Protanopia

49.2939, 0.3052, 0.3139

Deuteranopia

49.1431, 0.3073, 0.3009



Tritanopia

49.5752, 0.2771, 0.3094

Trichromacy



Original Color

49.6733, 0.2798, 0.3171

Protanomaly

49.3201, 0.2949, 0.3149

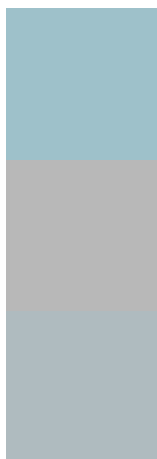
Deuteranomaly

48.9548, 0.2967, 0.3063

Tritanomaly

49.4780, 0.2784, 0.3119

Monochromacy



Original Color

49.6733, 0.2798, 0.3171

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 49.6733, 0.2798, 0.3171 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(158, 193, 202)` looks like.

```
.text, #text, p{  
    color:rgb(158, 193, 202)  
}
```

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(158, 193, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 193, 202) }
```

Border

The CSS property to change the border of an element to Yxy 49.6733, 0.2798, 0.3171 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(158, 193, 202) }
```

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

```
.border{ border-color:rgb(158, 193, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 193, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 193, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 193, 202);  
box-shadow:4px 4px 4px 4px rgb(158, 193,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6733, 0.2798, 0.3171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 193, 202) }
```

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

```
.background{ background-color: rgb(158,  
193, 202) }
```

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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