

Converting Colors

$Y_{xy}(49.2860, 0.2814, 0.3220)$

Have a look what the booklet for
Yxy(49.2860, 0.2814, 0.3220)
contains.

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Color

Yxy(49.3852, 0.2817, 0.3223)

Conversions

Conversions Part 1	
Format	Color
Hex	9DC1C6
RGB	157, 193, 198
RGB Percent	62%, 76%, 78%
CMY	0.3844, 0.2431, 0.2236
CMYK	0.21, 0.03, 0.00, 0.22
HSL	187°, 26%, 70%
HSV	187°, 21%, 78%
XYZ	43.1642, 49.3852, 60.6781
YIQ	182.8060, -23.0610, -6.0770

Conversions

Conversions Part 2

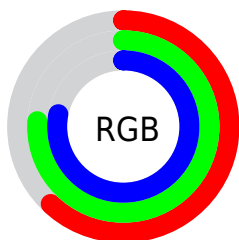
Format	Color
RYB	157, 176, 198
Decimal	10338758
CIELab	75.69, -10.89, -6.50
CIELCh	76, 12.683, 210.815
Yxy	49.3852, 0.2817, 0.3223
Android (android.graphics.Color)	4288528838 (0xFF9DC1C6)
YUV	182.8060, 7.4906, -22.6319
Hunter-Lab	70.2746, -13.3420, -2.0013

Details

The Yxy color $49.3852, 0.2817, 0.3223$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $40.2678, 0.3524, 0.3356$, and the grayscale version is $47.2089, 0.3127, 0.3290$.

A 20% lighter version of the original color is $88.9684, 0.2869, 0.3227$, and $23.4821, 0.2736, 0.3198$ is the 20% darker color. If you saturate the color by 10%, you get $46.4994, 0.2678, 0.3187$, and if you desaturate by 10%, it is $52.6150, 0.2964, 0.3257$.

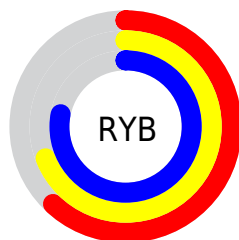
Distribution



Red (62%)

Green (76%)

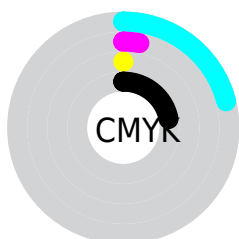
Blue (78%)



Red (62%)

Yellow (69%)

Blue (78%)

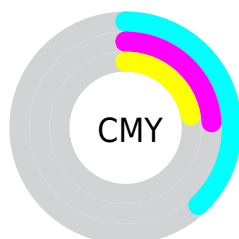


Cyan (21%)

Magenta (3%)

Yellow (0%)

Black (22%)



Cyan (38%)

Magenta (24%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.3852, 0.2817, 0.3223 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 49.3852, 0.2817, 0.3223 by changing the saturation by 10% instead.


 49.3852, 0.2817,
0.3223

 49.3852, 0.2817,
0.3223


384.2568, 0.2969,
0.3258

 34.9251, 0.2780,
0.3214


 89.2633, 0.2872,
0.3236

 23.6052, 0.2733,
0.3202


 115.4501, 0.2892,
0.3241

 15.0410, 0.2671,
0.3186


146.3147, 0.2910,
0.3245

 8.8482, 0.2586,
0.3162

182.2413, 0.2925,
0.3248

 4.6423, 0.2463,
0.3126

223.6144, 0.2938,
0.3251

 2.0390, 0.2268,
0.3062

270.8185, 0.2950,


 0.6300, 0.1575,


0.3254


0.2980


324.2378, 0.2960,
0.3256


 0.0000, 0.0000,
0.0000


 49.3852, 0.2817,
0.3223


 49.3852, 0.2817,
0.3223


 46.4994, 0.2678,
0.3187


 52.6150, 0.2964,
0.3257

 43.9360, 0.2551,
0.3148


 56.1974, 0.3116,
0.3288


 41.6802, 0.2438,
0.3108


 60.1479, 0.3271,
0.3316

 39.7133, 0.2341,
0.3066


 64.4797, 0.3426,
0.3341


 38.0149, 0.2263,
0.3024


 69.0185, 0.3571,
0.3364


 36.5614, 0.2204,
0.2981

 70.1788, 0.3566,
0.3389

 35.3250, 0.2164,
0.2939

 71.3569, 0.3561,
0.3413

 34.3224, 0.2139,
0.2900

 72.5529, 0.3555,
0.3437

 73.7669, 0.3550,
0.3462

Harmonies

Analogous

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



49.3852, 0.2917, 0.3385



49.3852, 0.2817, 0.3223



49.3852, 0.2797, 0.3086

Triad

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



49.3852, 0.2817, 0.3223



49.3852, 0.3173, 0.3073



49.3852, 0.3394, 0.3576

Complementary

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



49.3852, 0.2817, 0.3223



40.2678, 0.3524, 0.3356

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.



49.3852, 0.3468, 0.3483



49.3852, 0.2817, 0.3223



49.3852, 0.3338, 0.3195

Square

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



49.3852, 0.2817, 0.3223



49.3852, 0.2999, 0.3005



49.3852, 0.3448, 0.3343



49.3852, 0.3249, 0.3593

Rectangle

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



49.3852, 0.2817, 0.3223



49.3852, 0.2832, 0.3026



49.3852, 0.3448, 0.3343



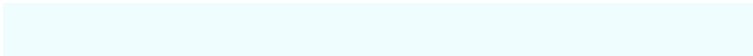
49.3852, 0.3428, 0.3552

Sweetspot

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



49.3872, 0.2817, 0.3223



96.0322, 0.3034, 0.3272



50.1516, 0.3067, 0.3789



20.4655, 0.3024, 0.3269



0.0000, 0.0000, 0.0000



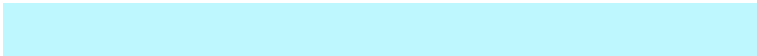
21.4041, 0.3127, 0.3290

Same Dimension

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



49.3872, 0.2817, 0.3223



85.0050, 0.2751, 0.3206



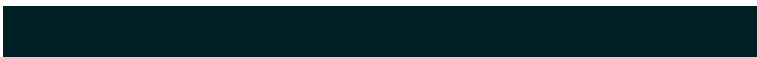
41.0171, 0.2799, 0.2945



11.8390, 0.2984, 0.3261



22.4068, 0.2141, 0.2906



1.1245, 0.2165, 0.2993

Inverse Universe

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



39.9639, 0.3195, 0.2840



65.3618, 0.3213, 0.2736



48.0062, 0.3473, 0.3613



10.7936, 0.3156, 0.3089



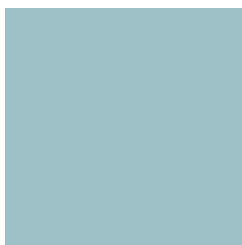
9.8020, 0.3538, 0.1723



0.4705, 0.3460, 0.1680

Previews

White Background



This preview shows how the Yxy color 49.3852, 0.2817, 0.3223 looks on a white background.

Color Contrast Check

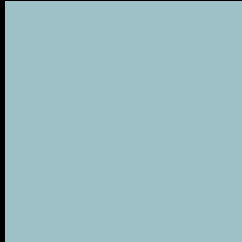
Large Text (above 18pt) WCAG AA × Fail

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 49.3852, 0.2817, 0.3223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

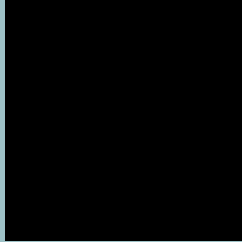
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

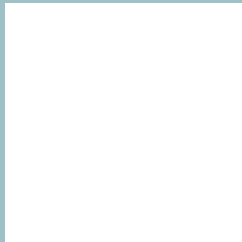
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.3852, 0.2817, 0.3223

Background



This preview shows how black text looks on a background with the Yxy color 49.3852, 0.2817, 0.3223.



This preview shows how white text looks on a background with the Yxy color 49.3852, 0.2817, 0.3223.

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

49.3852, 0.2817, 0.3223

Protanopia

49.1130, 0.3082, 0.3189

Deuteranopia


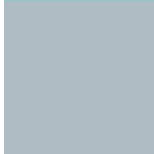

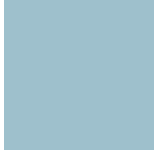
49.2706, 0.3113, 0.3046




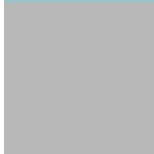
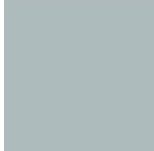
Tritanopia

49.5752, 0.2771, 0.3094

Trichromacy

	Original Color 49.3852, 0.2817, 0.3223
	Protanomaly 49.1367, 0.2978, 0.3199
	Deuteranomaly 48.9353, 0.2997, 0.3100
	Tritanomaly 49.3280, 0.2784, 0.3132

Monochromacy

	Original Color 49.3852, 0.2817, 0.3223
	Achromatopsia 47.3531, 0.3127, 0.3290
	Achromatomaly 48.1702, 0.3014, 0.3277

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3852, 0.2817, 0.3223 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(157, 193, 198) looks like.

```
.text, #text, p{  
    color:rgb(157, 193, 198)  
}
```

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(157, 193, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 193, 198) }
```

Border

The CSS property to change the border of an element to Yxy 49.3852, 0.2817, 0.3223 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(157, 193, 198) }
```

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

```
.border{ border-color:rgb(157, 193, 198) }
```

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

Here you see how a box with a 4 pixel rgb(157, 193, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 193, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 193, 198);  
box-shadow:4px 4px 4px 4px rgb(157, 193,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3852, 0.2817, 0.3223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 193, 198) }
```

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

```
.background{ background-color: rgb(157,  
193, 198) }
```

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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