

Converting Colors

$Yxy(49.8514, 0.2982, 0.3396)$

Have a look what the booklet for
Yxy(49.8514, 0.2982, 0.3396)
contains.

Yxy(49.8582, 0.2980, 0.3395)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(49.8582, 0.2980, 0.3395)

Conversions

Conversions Part 1

Format	Color
Hex	A7C1B9
RGB	167, 193, 185
RGB Percent	65%, 76%, 73%
CMY	0.3452, 0.2431, 0.2744
CMYK	0.13, 0.00, 0.04, 0.24
HSL	162°, 17%, 71%
HSV	162°, 13%, 76%
XYZ	43.7636, 49.8582, 53.2359
YIQ	184.3140, -12.9280, -8.0000

Conversions

Conversions Part 2

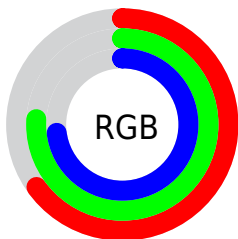
Format	Color
RYB	167, 182, 193
Decimal	10994105
CIELab	75.98, -10.38, 1.03
CIElCh	76, 10.430, 174.331
Yxy	49.8582, 0.2980, 0.3395
Android (android.graphics.Color)	4289184185 (0xFFA7C1B9)
YUV	184.3140, 0.3382, -15.1844
Hunter-Lab	70.6103, -12.9355, 4.7262

Details

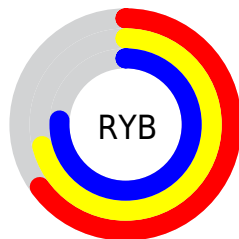
The Yxy color **49.8582, 0.2980, 0.3395** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.0630, 0.3300, 0.3188**, and the grayscale version is **48.1195, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6318, 0.3005, 0.3372**, and **23.7760, 0.2941, 0.3417** is the 20% darker color. If you saturate the color by 10%, you get **47.6684, 0.2877, 0.3482**, and if you desaturate by 10%, it is **52.3762, 0.3089, 0.3316**.

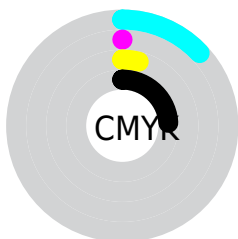
Distribution



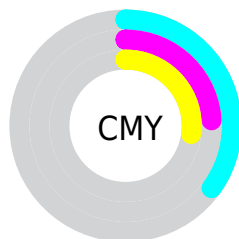
- Red (65%)
- Green (76%)
- Blue (73%)



- Red (65%)
- Yellow (71%)
- Blue (76%)



- Cyan (13%)
- Magenta (0%)
- Yellow (4%)
- Black (24%)




- Cyan (35%)
- Magenta (24%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.8582, 0.2980, 0.3395 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 49.8582, 0.2980, 0.3395 by changing the saturation by 10% instead.


 49.8582, 0.2980,
0.3395


 49.8582, 0.2980,
0.3395


386.1112, 0.3053,
0.3343

 35.3007, 0.2962,
0.3408


 89.9647, 0.3006,
0.3376

 23.8946, 0.2939,
0.3424


 116.2826, 0.3016,
0.3369

 15.2555, 0.2909,
0.3446


147.2894, 0.3025,
0.3363

 8.9989, 0.2866,
0.3477

183.3695, 0.3032,
0.3358

 4.7405, 0.2804,
0.3522

224.9074, 0.3038,
0.3353

 2.0958, 0.2703,
0.3597

272.2873, 0.3044,

 0.6623, 0.2229,

0.3349

0.3925

325.8938, 0.3049,
0.3346

0.0000, 0.0000,
0.0000

49.8582, 0.2980,
0.3395

49.8582, 0.2980,
0.3395

47.6684, 0.2877,
0.3482

52.3762, 0.3089,
0.3316

45.7867, 0.2781,
0.3577

55.2293, 0.3200,
0.3244

44.2000, 0.2696,
0.3680

58.4320, 0.3312,
0.3181

42.8922, 0.2626,
0.3788

61.9960, 0.3423,
0.3125

41.8452, 0.2572,
0.3900

64.2872, 0.3463,
0.3070

■ 41.0391, 0.2536,
0.4016

■ 64.5958, 0.3416,
0.3011

■ 40.4508, 0.2521,
0.4133

■ 64.9155, 0.3370,
0.2952

■ 40.0526, 0.2524,
0.4248

■ 65.2463, 0.3324,
0.2895

■ 39.8608, 0.2534,
0.4323

■ 65.5885, 0.3279,
0.2838

Harmonies

Analogous

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



49.8582, 0.3116, 0.3498



49.8582, 0.2980, 0.3395



49.8582, 0.2885, 0.3264

Triad

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



49.8582, 0.2980, 0.3395



49.8582, 0.2995, 0.3050



49.8582, 0.3409, 0.3427

Complementary

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



49.8582, 0.2980, 0.3395



42.0630, 0.3300, 0.3188

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.



49.8582, 0.3376, 0.3308



49.8582, 0.2980, 0.3395



49.8582, 0.3134, 0.3094

Square

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



49.8582, 0.2980, 0.3395



49.8582, 0.2893, 0.3067



49.8582, 0.3274, 0.3187



49.8582, 0.3365, 0.3513

Rectangle

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



49.8582, 0.2980, 0.3395



49.8582, 0.2856, 0.3181



49.8582, 0.3274, 0.3187



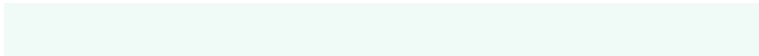
49.8582, 0.3407, 0.3389

Sweetspot

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



49.8603, 0.2980, 0.3395



93.5230, 0.3082, 0.3320



50.0715, 0.3178, 0.3635



19.9865, 0.3074, 0.3326



97.7402, 0.3127, 0.3290



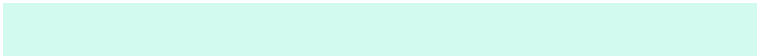
20.4902, 0.3127, 0.3290

Same Dimension

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



49.8603, 0.2980, 0.3395



88.1513, 0.2951, 0.3418



48.1310, 0.2922, 0.3227



11.3742, 0.3024, 0.3361



26.5254, 0.2530, 0.4308



1.1579, 0.2459, 0.4052

Inverse Universe

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



42.0630, 0.3300, 0.3188



71.6397, 0.3341, 0.3165



43.5393, 0.3363, 0.3353



10.1275, 0.3242, 0.3220



7.7641, 0.5714, 0.2922



0.3481, 0.5063, 0.2563

Previews

White Background



This preview shows how the Yxy color 49.8582, 0.2980, 0.3395 looks on a white background.

Color Contrast Check

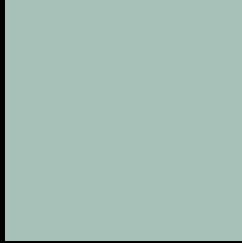
Large Text (above 18pt) WCAG AA × Fail

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 49.8582, 0.2980, 0.3395 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

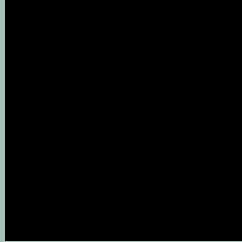
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

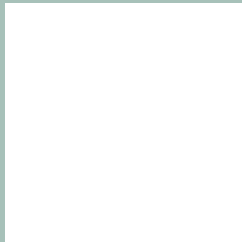
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.8582, 0.2980, 0.3395

Background



This preview shows how black text looks on a background with the Yxy color 49.8582, 0.2980, 0.3395.



This preview shows how white text looks on a background with the Yxy color 49.8582, 0.2980, 0.3395.

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

49.8582, 0.2980, 0.3395

Protanopia

49.6605, 0.3217, 0.3353

Deuteranopia

49.6147, 0.3286, 0.3217



Tritanopia

49.8926, 0.2870, 0.3098

Trichromacy



Original Color

49.8582, 0.2980, 0.3395

Protanomaly

49.8399, 0.3131, 0.3380

Deuteranomaly

49.3195, 0.3170, 0.3278

Tritanomaly

49.8849, 0.2911, 0.3199

Monochromacy



Original Color

49.8582, 0.2980, 0.3395

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.4663, 0.3076, 0.3329

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8582, 0.2980, 0.3395 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(167, 193, 185)` looks like.

```
.text, #text, p{  
    color:rgb(167, 193, 185)  
}
```

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(167, 193, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 193, 185) }
```

Border

The CSS property to change the border of an element to Yxy 49.8582, 0.2980, 0.3395 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(167, 193, 185) }
```

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

```
.border{ border-color:rgb(167, 193, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 193, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 193, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 193, 185);  
box-shadow:4px 4px 4px 4px rgb(167, 193,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8582, 0.2980, 0.3395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 193, 185) }
```

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

```
.background{ background-color: rgb(167,  
193, 185) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor