

Converting Colors

$Y_{xy}(49.7572, 0.2880, 0.3450)$

Have a look what the booklet for
Yxy(49.7572, 0.2880, 0.3450)
contains.

Yxy(49.7129, 0.2884, 0.3452)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.7129, 0.2884, 0.3452)

Conversions

Conversions Part 1

Format	Color
Hex	99C4B8
RGB	153, 196, 184
RGB Percent	60%, 77%, 72%
CMY	0.3999, 0.2314, 0.2783
CMYK	0.22, 0.00, 0.06, 0.23
HSL	163°, 27%, 68%
HSV	163°, 22%, 77%
XYZ	41.5330, 49.7129, 52.7660
YIQ	181.7750, -21.7760, -12.8480

Conversions

Conversions Part 2

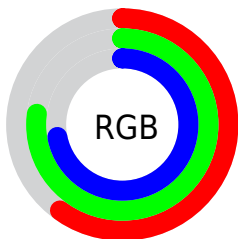
Format	Color
RYB	153, 178, 196
Decimal	10077368
CIELab	75.89, -16.67, 1.34
CIELCh	76, 16.722, 175.400
Yxy	49.7129, 0.2884, 0.3452
Android (android.graphics.Color)	4288267448 (0xFF99C4B8)
YUV	181.7750, 1.0969, -25.2357
Hunter-Lab	70.5074, -18.2408, 4.9840

Details

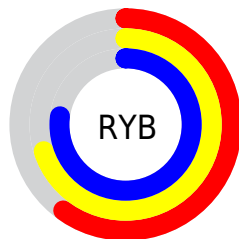
The Yxy color $49.7129, 0.2884, 0.3452$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $37.2412, 0.3447, 0.3134$, and the grayscale version is $46.6568, 0.3127, 0.3290$.

A 20% lighter version of the original color is $89.9517, 0.2927, 0.3426$, and $23.7514, 0.2817, 0.3496$ is the 20% darker color. If you saturate the color by 10%, you get $47.7368, 0.2784, 0.3537$, and if you desaturate by 10%, it is $52.0152, 0.2992, 0.3374$.

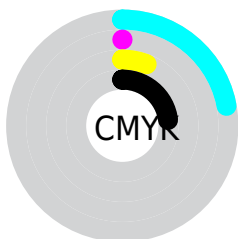
Distribution



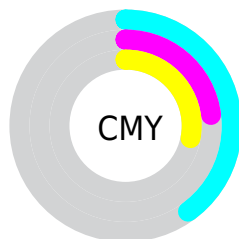
- Red (60%)
- Green (77%)
- Blue (72%)



- Red (60%)
- Yellow (70%)
- Blue (77%)



- Cyan (22%)
- Magenta (0%)
- Yellow (6%)
- Black (23%)




- Cyan (40%)
- Magenta (23%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.7129, 0.2884, 0.3452 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 49.7129, 0.2884, 0.3452 by changing the saturation by 10% instead.

 49.7129, 0.2884,
0.3452

 49.7129, 0.2884,
0.3452


385.5421, 0.3004,
0.3371

 35.1853, 0.2854,
0.3472


 89.7494, 0.2928,
0.3423

 23.8057, 0.2816,
0.3498


 116.0270, 0.2944,
0.3412

 15.1895, 0.2766,
0.3532


146.9902, 0.2958,
0.3403

 8.9525, 0.2697,
0.3579

183.0232, 0.2970,
0.3395

 4.7102, 0.2594,
0.3649

224.5106, 0.2980,
0.3388

 2.0783, 0.2428,
0.3765

271.8365, 0.2989,

 0.6524, 0.1438,

0.3382

0.4402

325.3856, 0.2997,
0.3376

0.0000, 0.0000,
0.0000

49.7129, 0.2884,
0.3452

49.7129, 0.2884,
0.3452

47.7368, 0.2784,
0.3537

52.0152, 0.2992,
0.3374

46.0654, 0.2695,
0.3629

54.6519, 0.3105,
0.3303

44.6841, 0.2619,
0.3726

57.6385, 0.3221,
0.3239

43.5746, 0.2560,
0.3827

60.9876, 0.3337,
0.3182

42.7165, 0.2519,
0.3931

64.7115, 0.3452,
0.3132

■ 42.0864, 0.2498,
0.4036

■ 65.7378, 0.3441,
0.3079

■ 41.6565, 0.2497,
0.4141

■ 66.0263, 0.3398,
0.3024

■ 41.4136, 0.2507,
0.4224

■ 66.3244, 0.3356,
0.2970

■ 66.6320, 0.3314,
0.2917

Harmonies

Analogous

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



49.7129, 0.3098, 0.3624



49.7129, 0.2884, 0.3452



49.7129, 0.2738, 0.3237

Triad

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



49.7129, 0.2884, 0.3452



49.7129, 0.2921, 0.2912



49.7129, 0.3581, 0.3509

Complementary

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



49.7129, 0.2884, 0.3452



37.2412, 0.3447, 0.3134

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.



49.7129, 0.3532, 0.3321



49.7129, 0.2884, 0.3452



49.7129, 0.3144, 0.2985

Square

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



49.7129, 0.2884, 0.3452



49.7129, 0.2758, 0.2932



49.7129, 0.3369, 0.3133



49.7129, 0.3504, 0.3649

Rectangle

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



49.7129, 0.2884, 0.3452



49.7129, 0.2696, 0.3104



49.7129, 0.3369, 0.3133



49.7129, 0.3579, 0.3450

Sweetspot

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



49.7150, 0.2884, 0.3452



96.4541, 0.3046, 0.3339



49.8001, 0.3196, 0.3877



20.5829, 0.3039, 0.3343



0.0000, 0.0000, 0.0000



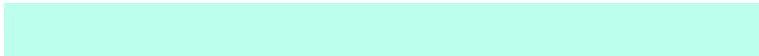
21.4041, 0.3127, 0.3290

Same Dimension

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



49.7150, 0.2884, 0.3452



88.3873, 0.2838, 0.3489



46.1674, 0.2796, 0.3163



11.3790, 0.3021, 0.3355



26.6259, 0.2503, 0.4210



1.1616, 0.2439, 0.3979

Inverse Universe

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



37.2412, 0.3447, 0.3134



62.0397, 0.3531, 0.3101



39.9940, 0.3542, 0.3413



10.1230, 0.3246, 0.3226



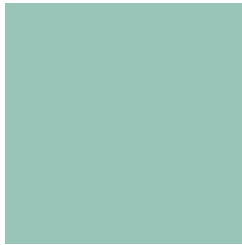
7.7284, 0.5811, 0.2975



0.3461, 0.5153, 0.2612

Previews

White Background



This preview shows how the Yxy color 49.7129, 0.2884, 0.3452 looks on a white background.

Color Contrast Check

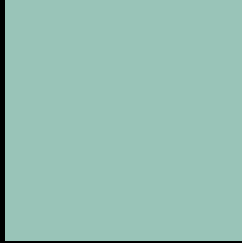
Large Text (above 18pt) WCAG AA × Fail

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 49.7129, 0.2884, 0.3452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

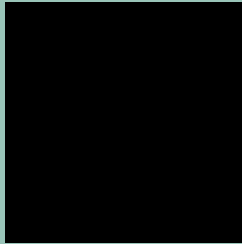
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

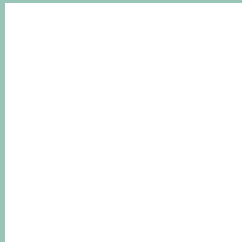
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.7129, 0.2884, 0.3452

Background



This preview shows how black text looks on a background with the Yxy color 49.7129, 0.2884, 0.3452.

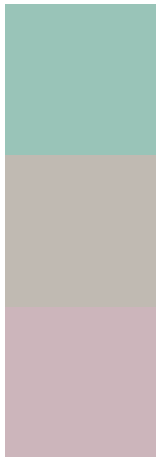


This preview shows how white text looks on a background with the Yxy color 49.7129, 0.2884, 0.3452.

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

49.7129, 0.2884, 0.3452

Protanopia

49.5386, 0.3241, 0.3392

Deuteranopia

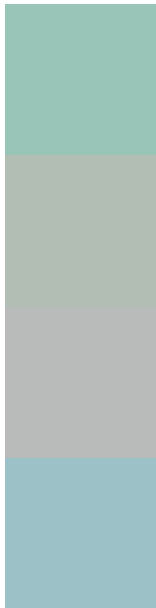
49.4730, 0.3277, 0.3217



Tritanopia

49.5224, 0.2758, 0.3081

Trichromacy



Original Color

49.7129, 0.2884, 0.3452

Protanomaly

49.5872, 0.3105, 0.3420

Deuteranomaly

48.9773, 0.3119, 0.3290

Tritanomaly

49.3314, 0.2803, 0.3210

Monochromacy



Original Color

49.7129, 0.2884, 0.3452

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.6175, 0.3027, 0.3343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7129, 0.2884, 0.3452 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, 196, 184)` looks like.

```
.text, #text, p{  
    color:rgb(153, 196, 184)  
}
```

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, 196, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 196, 184) }
```

Border

The CSS property to change the border of an element to Yxy 49.7129, 0.2884, 0.3452 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, 196, 184) }
```

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

```
.border{ border-color:rgb(153, 196, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 196, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 196, 184); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 196, 184); box-shadow:4px 4px 4px 4px rgb(153, 196, 184) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7129, 0.2884, 0.3452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 196, 184) }
```

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

```
.background{ background-color: rgb(153,  
196, 184) }
```

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