

Converting Colors

$Y_{xy}(46.9674, 0.2830, 0.3372)$

Have a look what the booklet for
Yxy(46.9674, 0.2830, 0.3372)
contains.

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Color

Yxy(46.9674, 0.2830, 0.3372)

Conversions

Conversions Part 1

Format	Color
Hex	93BFB9
RGB	147, 191, 185
RGB Percent	58%, 75%, 73%
CMY	0.4237, 0.2509, 0.2744
CMYK	0.23, 0.00, 0.03, 0.25
HSL	172°, 26%, 66%
HSV	172°, 23%, 75%
XYZ	39.4181, 46.9674, 52.9010
YIQ	177.1600, -24.2980, -11.1940

Conversions

Conversions Part 2

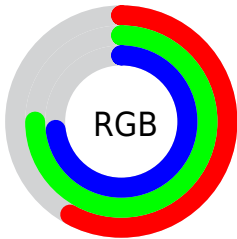
Format	Color
RYB	147, 171, 191
Decimal	9682873
CIELab	74.17, -15.79, -1.76
CIElCh	74, 15.889, 186.377
Yxy	46.9674, 0.2830, 0.3372
Android (android.graphics.Color)	4287872953 (0xFF93BFB9)
YUV	177.1600, 3.8651, -26.4503
Hunter-Lab	68.5328, -17.2643, 2.2065

Details

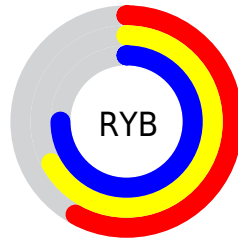
The Yxy color **46.9674, 0.2830, 0.3372** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **34.2334, 0.3532, 0.3210**, and the grayscale version is **44.0423, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4290, 0.2885, 0.3353**, and **21.9902, 0.2745, 0.3385** is the 20% darker color. If you saturate the color by 10%, you get **45.2395, 0.2716, 0.3413**, and if you desaturate by 10%, it is **48.9943, 0.2954, 0.3334**.

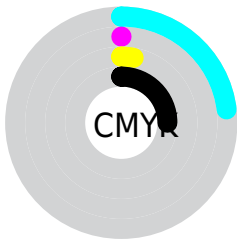
Distribution



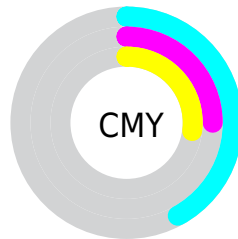
- Red (58%)
- Green (75%)
- Blue (73%)



- Red (58%)
- Yellow (67%)
- Blue (75%)



- Cyan (23%)
- Magenta (0%)
- Yellow (3%)
- Black (25%)



- Cyan (42%)
- Magenta (25%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.9674, 0.2830, 0.3372 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 46.9674, 0.2830, 0.3372 by changing the saturation by 10% instead.


 46.9674, 0.2830,
0.3372


 46.9674, 0.2830,
0.3372


374.6844, 0.2978,
0.3332

 33.0099, 0.2793,
0.3382


 85.6650, 0.2883,
0.3358

 22.1340, 0.2747,
0.3394


 111.1738, 0.2904,
0.3352

 13.9554, 0.2684,
0.3410


141.3019, 0.2921,
0.3348

 8.0897, 0.2598,
0.3432

176.4335, 0.2935,
0.3344

 4.1524, 0.2471,
0.3463

216.9532, 0.2948,
0.3340

 1.7592, 0.2263,
0.3511

263.2453, 0.2959,

 0.4615, 0.0466,

0.3337

0.4046

315.6943, 0.2969,
0.3334

0.0000, 0.0000,
0.0000

46.9674, 0.2830,
0.3372

46.9674, 0.2830,
0.3372

45.2395, 0.2716,
0.3413

48.9943, 0.2954,
0.3334

43.7904, 0.2615,
0.3456

51.3279, 0.3086,
0.3300

42.6063, 0.2529,
0.3501

53.9828, 0.3222,
0.3269

41.6699, 0.2460,
0.3547

56.9709, 0.3360,
0.3241

40.9619, 0.2411,
0.3595

60.3035, 0.3499,
0.3216

■ 40.4601, 0.2381,
0.3642

■ 62.7232, 0.3581,
0.3192

■ 40.1379, 0.2368,
0.3690

■ 62.8460, 0.3560,
0.3165

■ 39.9842, 0.2367,
0.3722

■ 62.9709, 0.3538,
0.3139

■ 63.0979, 0.3517,
0.3112

Harmonies

Analogous

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



46.9674, 0.3019, 0.3561



46.9674, 0.2830, 0.3372



46.9674, 0.2722, 0.3166

Triad

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



46.9674, 0.2830, 0.3372



46.9674, 0.3002, 0.2940



46.9674, 0.3553, 0.3560

Complementary

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



46.9674, 0.2830, 0.3372



34.2334, 0.3532, 0.3210

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.



46.9674, 0.3551, 0.3390



46.9674, 0.2830, 0.3372



46.9674, 0.3226, 0.3040

Square

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



46.9674, 0.2830, 0.3372



46.9674, 0.2818, 0.2925



46.9674, 0.3429, 0.3202



46.9674, 0.3438, 0.3667

Rectangle

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



46.9674, 0.2830, 0.3372



46.9674, 0.2707, 0.3050



46.9674, 0.3429, 0.3202



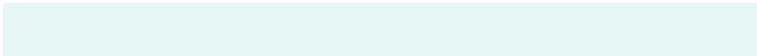
46.9674, 0.3566, 0.3508

Sweetspot

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



46.9693, 0.2830, 0.3372



90.1571, 0.3032, 0.3314



46.1992, 0.3151, 0.3919



19.7412, 0.3024, 0.3316



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.



46.9693, 0.2830, 0.3372



82.3814, 0.2767, 0.3394



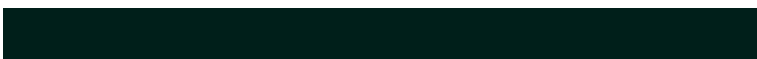
40.8540, 0.2773, 0.3072



10.7866, 0.3002, 0.3321



26.2833, 0.2366, 0.3716



1.0358, 0.2334, 0.3603

Inverse Universe

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



34.2334, 0.3532, 0.3210



55.3245, 0.3659, 0.3191



39.1587, 0.3550, 0.3498



9.5569, 0.3267, 0.3259



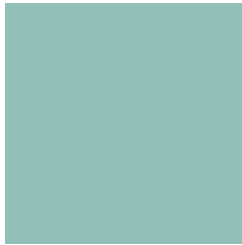
7.3352, 0.6202, 0.3190



0.2942, 0.5669, 0.2896

Previews

White Background



This preview shows how the Yxy color 46.9674, 0.2830, 0.3372 looks on a white background.

Color Contrast Check

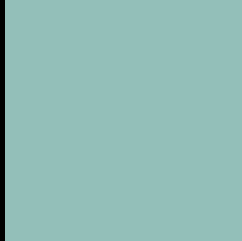
Large Text (above 18pt) WCAG AA × Fail

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 46.9674, 0.2830, 0.3372 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

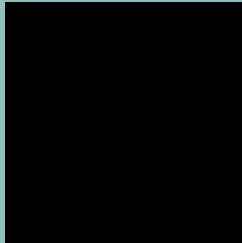
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

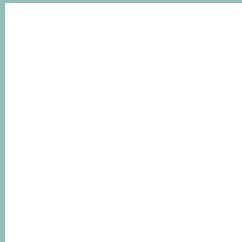
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.9674, 0.2830, 0.3372

Background



This preview shows how black text looks on a background with the Yxy color 46.9674, 0.2830, 0.3372.

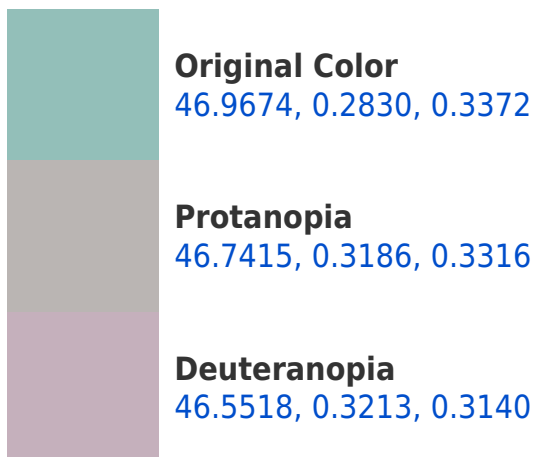


This preview shows how white text looks on a background with the Yxy color 46.9674, 0.2830, 0.3372.

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





Tritanopia

46.8575, 0.2737, 0.3088

Trichromacy



Original Color

46.9674, 0.2830, 0.3372

Protanomaly

46.8048, 0.3050, 0.3343

Deuteranomaly

46.2193, 0.3063, 0.3212

Tritanomaly

46.8647, 0.2777, 0.3194

Monochromacy



Original Color

46.9674, 0.2830, 0.3372

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.8582, 0.3009, 0.3317

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9674, 0.2830, 0.3372 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(147, 191, 185)` looks like.

```
.text, #text, p{  
    color:rgb(147, 191, 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(147, 191, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 191, 185) }
```

Border

The CSS property to change the border of an element to Yxy 46.9674, 0.2830, 0.3372 is called "border". The border property can be set on classes, ids or directly on the HTML element.

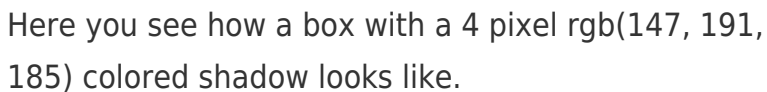
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(147, 191, 185) }
```

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

```
.border{ border-color:rgb(147, 191, 185) }
```

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



Here you see how a box with a 4 pixel `rgb(147, 191, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(147, 191, 185); -webkit-box-shadow:4px 4px 4px 4px rgb(147, 191, 185); box-shadow:4px 4px 4px 4px rgb(147, 191, 185) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9674, 0.2830, 0.3372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 191, 185) }
```

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

```
.background{ background-color: rgb(147,  
191, 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](#).

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