

Converting Colors

$Y_{xy}(46.8140, 0.2889, 0.3371)$

Have a look what the booklet for
Yxy(46.8140, 0.2889, 0.3371)
contains.

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Color

Yxy(46.6841, 0.2894, 0.3372)

Conversions

Conversions Part 1

Format	Color
Hex	9ABDB7
RGB	154, 189, 183
RGB Percent	60%, 74%, 72%
CMY	0.3962, 0.2588, 0.2824
CMYK	0.19, 0.00, 0.03, 0.26
HSL	170°, 21%, 67%
HSV	170°, 19%, 74%
XYZ	40.0664, 46.6841, 51.6959
YIQ	177.8510, -18.9340, -9.2860

Conversions

Conversions Part 2

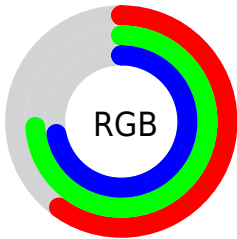
Format	Color
RYB	154, 173, 189
Decimal	10141111
CIELab	73.99, -12.97, -0.87
CIElCh	74, 13.004, 183.858
Yxy	46.6841, 0.2894, 0.3372
Android (android.graphics.Color)	4288331191 (0xFF9ABDB7)
YUV	177.8510, 2.5385, -20.9173
Hunter-Lab	68.3258, -14.8973, 2.9687

Details

The Yxy color $46.6841, 0.2894, 0.3372$ is a light color, and the websafe version is hex $99CCCC$. A complement of this color would be $36.4594, 0.3423, 0.3210$, and the grayscale version is $44.4298, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.0921, 0.2937, 0.3353$, and $22.0448, 0.2828, 0.3404$ is the 20% darker color. If you saturate the color by 10%, you get $44.8420, 0.2779, 0.3422$, and if you desaturate by 10%, it is $48.8252, 0.3017, 0.3326$.

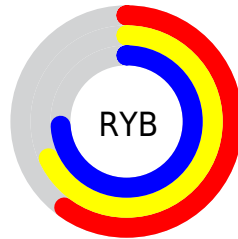
Distribution



Red (60%)

Green (74%)

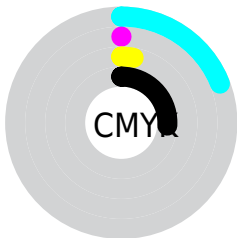
Blue (72%)



Red (60%)

Yellow (68%)

Blue (74%)

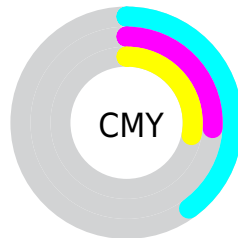


Cyan (19%)

Magenta (0%)

Yellow (3%)

Black (26%)



Cyan (40%)


Magenta (26%)

Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.6841, 0.2894, 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 46.6841, 0.2894, 0.3372 by changing the saturation by 10% instead.


 46.6841, 0.2894,
0.3372

 46.6841, 0.2894,
0.3372


373.5522, 0.3010,
0.3332

 32.7860, 0.2865,
0.3382


 85.2419, 0.2936,
0.3357

 21.9626, 0.2828,
0.3395


 110.6704, 0.2952,
0.3352

 13.8294, 0.2779,
0.3412


140.7111, 0.2965,
0.3347

 8.0021, 0.2710,
0.3435

175.7484, 0.2977,
0.3343

 4.0963, 0.2607,
0.3469

216.1668, 0.2987,
0.3340

 1.7276, 0.2439,
0.3525

262.3507, 0.2996,

 0.4414, 0.0947,

0.3337

0.4064

314.6843, 0.3003,
0.3334

0.0000, 0.0000,
0.0000

46.6841, 0.2894,
0.3372

46.6841, 0.2894,
0.3372

44.8420, 0.2779,
0.3422

48.8252, 0.3017,
0.3326

43.2794, 0.2675,
0.3476

51.2723, 0.3146,
0.3284

41.9835, 0.2585,
0.3532

54.0392, 0.3278,
0.3246

40.9383, 0.2511,
0.3591

57.1374, 0.3411,
0.3213

40.1258, 0.2456,
0.3652

60.5776, 0.3543,
0.3183

■ 39.5259, 0.2419,
0.3713

■ 61.9465, 0.3570,
0.3152

■ 39.1149, 0.2402,
0.3774

■ 62.1024, 0.3543,
0.3119

■ 38.8535, 0.2401,
0.3835

■ 62.2614, 0.3516,
0.3086

■ 38.8196, 0.2401,
0.3844

■ 62.4238, 0.3489,
0.3053

Harmonies

Analogous

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



46.6841, 0.3054, 0.3521



46.6841, 0.2894, 0.3372



46.6841, 0.2797, 0.3203

Triad

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



46.6841, 0.2894, 0.3372



46.6841, 0.3011, 0.2997



46.6841, 0.3480, 0.3503

Complementary

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



46.6841, 0.2894, 0.3372



36.4594, 0.3423, 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.



46.6841, 0.3469, 0.3361



46.6841, 0.2894, 0.3372



46.6841, 0.3194, 0.3074

Square

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



46.6841, 0.2894, 0.3372



46.6841, 0.2863, 0.2992



46.6841, 0.3363, 0.3206



46.6841, 0.3394, 0.3595

Rectangle

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



46.6841, 0.2894, 0.3372



46.6841, 0.2780, 0.3105



46.6841, 0.3363, 0.3206



46.6841, 0.3487, 0.3460

Sweetspot

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



46.6860, 0.2894, 0.3372



88.4529, 0.3048, 0.3315



46.2466, 0.3157, 0.3781



18.9624, 0.3040, 0.3318



95.5105, 0.3127, 0.3290



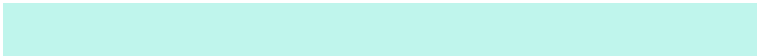
19.5994, 0.3127, 0.3290

Same Dimension

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



46.6860, 0.2894, 0.3372



82.2832, 0.2849, 0.3391



42.3488, 0.2844, 0.3136



10.7807, 0.3007, 0.3330



26.1254, 0.2399, 0.3836



1.0309, 0.2359, 0.3690

Inverse Universe

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



36.4594, 0.3423, 0.3210



60.7927, 0.3500, 0.3192



40.0868, 0.3457, 0.3440



9.5624, 0.3262, 0.3251



7.3590, 0.6122, 0.3146



0.2966, 0.5510, 0.2809

Previews

White Background



This preview shows how the Yxy color 46.6841, 0.2894, 0.3372 looks on a white background.

Color Contrast Check

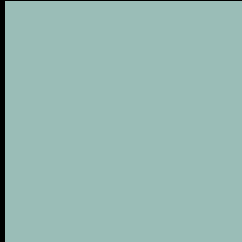
Large Text (above 18pt) WCAG AA × Fail

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 46.6841, 0.2894, 0.3372 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

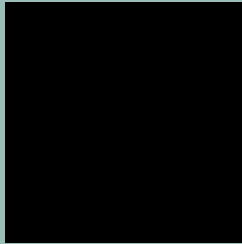
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

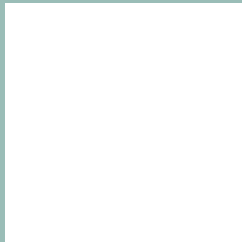
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.6841, 0.2894, 0.3372

Background



This preview shows how black text looks on a background with the Yxy color 46.6841, 0.2894, 0.3372.

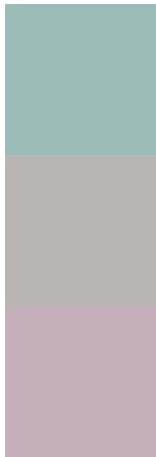


This preview shows how white text looks on a background with the Yxy color 46.6841, 0.2894, 0.3372.

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



Original Color

46.6841, 0.2894, 0.3372

Protanopia

46.5764, 0.3186, 0.3329

Deuteranopia

46.4662, 0.3230, 0.3165



Tritanopia

46.5030, 0.2791, 0.3089

Trichromacy



Original Color

46.6841, 0.2894, 0.3372

Protanomaly

46.5749, 0.3074, 0.3343

Deuteranomaly

46.3743, 0.3096, 0.3238

Tritanomaly

46.5036, 0.2832, 0.3195

Monochromacy



Original Color

46.6841, 0.2894, 0.3372

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.1862, 0.3034, 0.3317

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6841, 0.2894, 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(154, 189, 183)` looks like.

```
.text, #text, p{  
    color:rgb(154, 189, 183)  
}
```

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(154, 189, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 189, 183) }
```

Border

The CSS property to change the border of an element to Yxy 46.6841, 0.2894, 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(154, 189, 183) }
```

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

```
.border{ border-color:rgb(154, 189, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 189, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 189, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 189, 183);  
box-shadow:4px 4px 4px 4px rgb(154, 189,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6841, 0.2894, 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(154, 189, 183) }
```

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

```
.background{ background-color: rgb(154,  
189, 183) }
```

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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