

Converting Colors

$Y_{xy}(46.2008, 0.2897, 0.3501)$

Have a look what the booklet for
Yxy(46.2008, 0.2897, 0.3501)
contains.

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Color

Yxy(46.1251, 0.2898, 0.3501)

Conversions

Conversions Part 1

Format	Color
Hex	93BEAF
RGB	147, 190, 175
RGB Percent	58%, 75%, 69%
CMY	0.4236, 0.2549, 0.3138
CMYK	0.23, 0.00, 0.08, 0.25
HSL	159°, 25%, 66%
HSV	159°, 23%, 75%
XYZ	38.1807, 46.1251, 47.4426
YIQ	175.4330, -20.8130, -13.7810

Conversions

Conversions Part 2

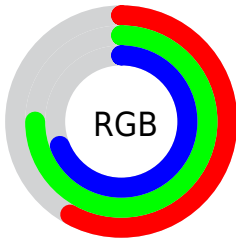
Format	Color
RYB	147, 173, 190
Decimal	9682607
CIELab	73.63, -17.40, 2.91
CIELCh	74, 17.637, 170.519
Yxy	46.1251, 0.2898, 0.3501
Android (android.graphics.Color)	4287872687 (0xFF93BEAF)
YUV	175.4330, -0.2135, -24.9357
Hunter-Lab	67.9155, -18.5030, 6.1236

Details

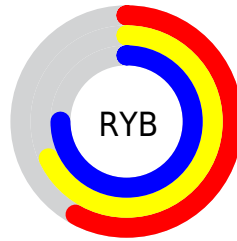
The Yxy color **46.1251, 0.2898, 0.3501** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **34.4193, 0.3427, 0.3089**, and the grayscale version is **43.1140, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1813, 0.2945, 0.3463**, and **21.7543, 0.2825, 0.3565** is the 20% darker color. If you saturate the color by 10%, you get **44.2591, 0.2807, 0.3609**, and if you desaturate by 10%, it is **48.2978, 0.2997, 0.3402**.

Distribution



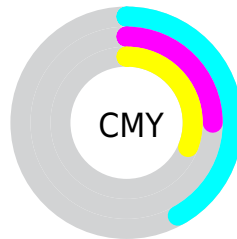
- Red (58%)
- Green (75%)
- Blue (69%)



- Red (58%)
- Yellow (68%)
- Blue (75%)



- Cyan (23%)
- Magenta (0%)
- Yellow (8%)
- Black (25%)





- Cyan (42%)
- Magenta (25%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.1251, 0.2898, 0.3501 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 46.1251, 0.2898, 0.3501 by changing the saturation by 10% instead.


 46.1251, 0.2898,
0.3501


 46.1251, 0.2898,
0.3501


371.3114, 0.3013,
0.3394

 32.3446, 0.2869,
0.3528


 84.4062, 0.2940,
0.3462

 21.6248, 0.2831,
0.3563

 109.6755, 0.2956,
0.3447

 13.5815, 0.2781,
0.3611


139.5432, 0.2969,
0.3435

 7.8302, 0.2711,
0.3678

174.3937, 0.2981,
0.3424

 3.9865, 0.2604,
0.3782

214.6114, 0.2990,
0.3415

 1.6660, 0.2425,
0.3959

260.5806, 0.2999,

 0.4015, 0.0000,

0.3407

0.6317

312.6858, 0.3007,
0.3400

0.0000, 0.0000,
0.0000

46.1251, 0.2898,
0.3501

46.1251, 0.2898,
0.3501

44.2591, 0.2807,
0.3609

48.2978, 0.2997,
0.3402

42.6797, 0.2725,
0.3726

50.7850, 0.3099,
0.3312

41.3731, 0.2657,
0.3850

53.6012, 0.3205,
0.3232

40.3223, 0.2605,
0.3980

56.7582, 0.3310,
0.3160

39.5081, 0.2571,
0.4113

60.2674, 0.3414,
0.3097

■ 38.9085, 0.2558,
0.4247

■ 62.9859, 0.3467,
0.3037

■ 38.4973, 0.2563,
0.4380

■ 63.3334, 0.3413,
0.2971

■ 38.2780, 0.2577,
0.4477

■ 63.6949, 0.3361,
0.2906

■ 64.0705, 0.3309,
0.2842

Harmonies

Analogous

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



46.1251, 0.3135, 0.3674



46.1251, 0.2898, 0.3501



46.1251, 0.2726, 0.3270

Triad

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



46.1251, 0.2898, 0.3501



46.1251, 0.2870, 0.2879



46.1251, 0.3620, 0.3495

Complementary

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



46.1251, 0.2898, 0.3501



34.4193, 0.3427, 0.3089

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.



46.1251, 0.3544, 0.3288



46.1251, 0.2898, 0.3501



46.1251, 0.3103, 0.2943

Square

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



46.1251, 0.2898, 0.3501



46.1251, 0.2710, 0.2917



46.1251, 0.3352, 0.3090



46.1251, 0.3557, 0.3659

Rectangle

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



46.1251, 0.2898, 0.3501



46.1251, 0.2668, 0.3121



46.1251, 0.3352, 0.3090



46.1251, 0.3610, 0.3428

Sweetspot

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



46.1270, 0.2898, 0.3501



89.9339, 0.3053, 0.3351



46.6226, 0.3222, 0.3893



19.6881, 0.3047, 0.3357



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.



46.1270, 0.2898, 0.3501



81.8910, 0.2853, 0.3552



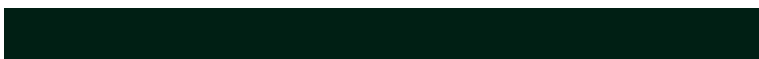
44.0160, 0.2789, 0.3199



10.7514, 0.3030, 0.3371



25.4654, 0.2572, 0.4459



1.0094, 0.2485, 0.4145

Inverse Universe

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



34.4193, 0.3427, 0.3089



57.0629, 0.3510, 0.3044



35.9802, 0.3565, 0.3379



9.5899, 0.3235, 0.3210



7.5569, 0.5551, 0.2832



0.3086, 0.4876, 0.2460

Previews

White Background



This preview shows how the Yxy color 46.1251, 0.2898, 0.3501 looks on a white background.

Color Contrast Check

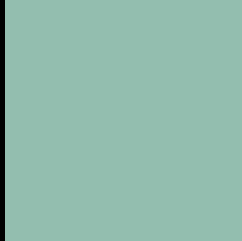
Large Text (above 18pt) WCAG AA × Fail

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 46.1251, 0.2898, 0.3501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

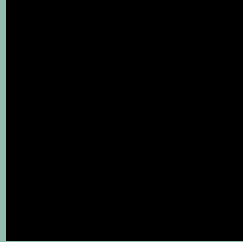
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.1251, 0.2898, 0.3501

Background



This preview shows how black text looks on a background with the Yxy color 46.1251, 0.2898, 0.3501.

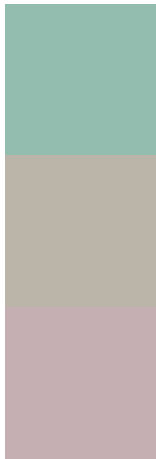


This preview shows how white text looks on a background with the Yxy color 46.1251, 0.2898, 0.3501.

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

46.1251, 0.2898, 0.3501

Protanopia

45.9462, 0.3269, 0.3435

Deuteranopia

45.8801, 0.3308, 0.3253



Tritanopia

46.0103, 0.2754, 0.3087

Trichromacy



Original Color

46.1251, 0.2898, 0.3501

Protanomaly

45.9919, 0.3127, 0.3465

Deuteranomaly

45.4005, 0.3143, 0.3330

Tritanomaly

45.8304, 0.2801, 0.3221

Monochromacy



Original Color

46.1251, 0.2898, 0.3501

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

43.7370, 0.3039, 0.3359

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1251, 0.2898, 0.3501 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, 190, 175)` looks like.

```
.text, #text, p{  
    color:rgb(147, 190, 175)  
}
```

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, 190, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 190, 175) }
```

Border

The CSS property to change the border of an element to Yxy 46.1251, 0.2898, 0.3501 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, 190, 175) }
```

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

```
.border{ border-color:rgb(147, 190, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 190, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(147, 190, 175); -webkit-box-shadow:4px 4px 4px 4px rgb(147, 190, 175); box-shadow:4px 4px 4px 4px rgb(147, 190, 175) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1251, 0.2898, 0.3501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 190, 175) }
```

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

```
.background{ background-color: rgb(147,  
190, 175) }
```

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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