

Converting Colors

$Yxy(50.6438, 0.2971, 0.3476)$

Have a look what the booklet for
Yxy(50.6438, 0.2971, 0.3476)
contains.

Yxy(50.6438, 0.2971, 0.3476)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.6438, 0.2971, 0.3476)

Conversions

Conversions Part 1

Format	Color
Hex	A3C4B6
RGB	163, 196, 182
RGB Percent	64%, 77%, 71%
CMY	0.3609, 0.2313, 0.2862
CMYK	0.17, 0.00, 0.07, 0.23
HSL	155°, 22%, 70%
HSV	155°, 17%, 77%
XYZ	43.2862, 50.6438, 51.7657
YIQ	184.5370, -15.1740, -11.3500

Conversions

Conversions Part 2

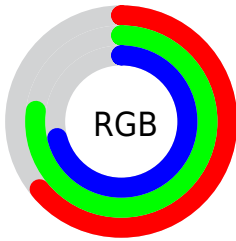
Format	Color
R _Y B	163, 184, 196
Decimal	10732726
CIE Lab	76.46, -13.86, 3.32
CIE LCh	76, 14.253, 166.518
Yxy	50.6438, 0.2971, 0.3476
Android (android.graphics.Color)	4288922806 (0xFFA3C4B6)
YUV	184.5370, -1.2507, -18.8879
Hunter-Lab	71.1645, -15.9642, 6.6870

Details

The Yxy color **50.6438, 0.2971, 0.3476** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.0949, 0.3315, 0.3111**, and the grayscale version is **48.2583, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.3290, 0.2997, 0.3445**, and **24.3105, 0.2931, 0.3528** is the 20% darker color. If you saturate the color by 10%, you get **48.4022, 0.2884, 0.3602**, and if you desaturate by 10%, it is **53.2306, 0.3063, 0.3362**.

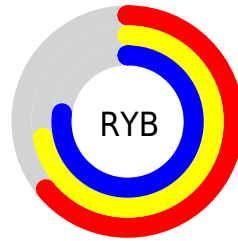
Distribution



Red (64%)

Green (77%)

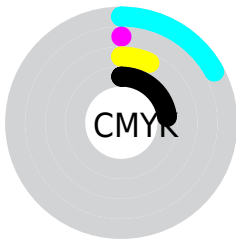
Blue (71%)



Red (64%)

Yellow (72%)

Blue (77%)

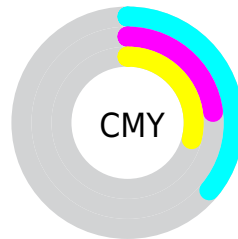


Cyan (17%)

Magenta (0%)

Yellow (7%)

Black (23%)



Cyan (36%)


Magenta (23%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.6438, 0.2971, 0.3476 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 50.6438, 0.2971, 0.3476 by changing the saturation by 10% instead.


 50.6438, 0.2971,
0.3476

 50.6438, 0.2971,
0.3476


389.1783, 0.3049,
0.3383

 35.9252, 0.2952,
0.3499


 91.1280, 0.2999,
0.3442

 24.3764, 0.2927,
0.3529


 117.6625, 0.3010,
0.3430

 15.6131, 0.2895,
0.3569


148.9043, 0.3019,
0.3419

 9.2508, 0.2849,
0.3624

185.2379, 0.3026,
0.3410

 4.9051, 0.2782,
0.3707

227.0477, 0.3033,
0.3402

 2.1917, 0.2672,
0.3844

274.7181, 0.3039,

 0.7155, 0.2130,

0.3395

0.4461

328.6335, 0.3044,
0.3389

0.0000, 0.0000,
0.0000

50.6438, 0.2971,
0.3476

50.6438, 0.2971,
0.3476

48.4022, 0.2884,
0.3602

53.2306, 0.3063,
0.3362

46.4844, 0.2804,
0.3740

56.1704, 0.3157,
0.3259

44.8762, 0.2735,
0.3888

59.4785, 0.3251,
0.3168

43.5600, 0.2680,
0.4045

63.1676, 0.3345,
0.3087

42.5162, 0.2642,
0.4208

66.0980, 0.3389,
0.3012

■ 41.7229, 0.2623,
0.4373

■ 66.5577, 0.3325,
0.2930

■ 41.1545, 0.2624,
0.4537

■ 67.0397, 0.3263,
0.2851

■ 40.7767, 0.2644,
0.4697

■ 67.5442, 0.3202,
0.2773

■ 40.6771, 0.2652,
0.4746

■ 67.9633, 0.3154,
0.2713

Harmonies

Analogous

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



50.6438, 0.3162, 0.3599



50.6438, 0.2971, 0.3476



50.6438, 0.2825, 0.3300

Triad

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



50.6438, 0.2971, 0.3476



50.6438, 0.2904, 0.2964



50.6438, 0.3510, 0.3433

Complementary

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



50.6438, 0.2971, 0.3476



41.0949, 0.3315, 0.3111

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.



50.6438, 0.3437, 0.3268



50.6438, 0.2971, 0.3476



50.6438, 0.3083, 0.3004

Square

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



50.6438, 0.2971, 0.3476



50.6438, 0.2788, 0.3007



50.6438, 0.3279, 0.3114



50.6438, 0.3476, 0.3567

Rectangle

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



50.6438, 0.2971, 0.3476



50.6438, 0.2771, 0.3182



50.6438, 0.3279, 0.3114



50.6438, 0.3497, 0.3380

Sweetspot

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



50.6459, 0.2971, 0.3476



97.3189, 0.3079, 0.3343



51.5079, 0.3221, 0.3725



20.7525, 0.3073, 0.3350



0.0000, 0.0000, 0.0000



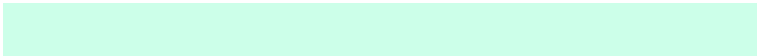
21.4041, 0.3127, 0.3290

Same Dimension

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



50.6459, 0.2971, 0.3476



90.2646, 0.2940, 0.3518



50.2669, 0.2874, 0.3260



11.3541, 0.3039, 0.3389



26.1521, 0.2646, 0.4725



1.1435, 0.2547, 0.4369

Inverse Universe

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



41.0949, 0.3315, 0.3111



69.9137, 0.3362, 0.3073



41.3547, 0.3441, 0.3320



10.1470, 0.3224, 0.3193



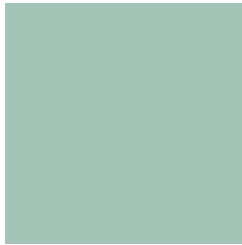
7.9578, 0.5258, 0.2670



0.3576, 0.4690, 0.2357

Previews

White Background



This preview shows how the Yxy color 50.6438, 0.2971, 0.3476 looks on a white background.

Color Contrast Check

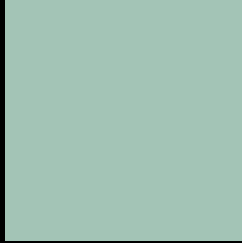
Large Text (above 18pt) WCAG AA × Fail

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 50.6438, 0.2971, 0.3476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

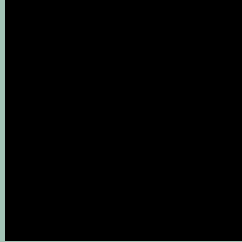
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

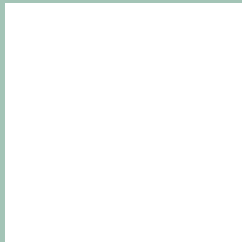
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.6438, 0.2971, 0.3476

Background



This preview shows how black text looks on a background with the Yxy color 50.6438, 0.2971, 0.3476.

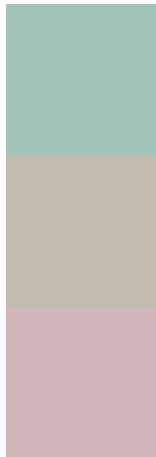


This preview shows how white text looks on a background with the Yxy color 50.6438, 0.2971, 0.3476.

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

50.6438, 0.2971, 0.3476

Protanopia

50.1843, 0.3265, 0.3416

Deuteranopia

50.3686, 0.3327, 0.3254



Tritanopia

50.5782, 0.2829, 0.3085

Trichromacy



Original Color

50.6438, 0.2971, 0.3476

Protanomaly

50.1489, 0.3153, 0.3432

Deuteranomaly

50.2078, 0.3192, 0.3328

Tritanomaly

50.3704, 0.2876, 0.3211

Monochromacy



Original Color

50.6438, 0.2971, 0.3476

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

49.2030, 0.3067, 0.3355

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.6438, 0.2971, 0.3476 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(163, 196, 182)` looks like.

```
.text, #text, p{  
    color:rgb(163, 196, 182)  
}
```

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(163, 196, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 196, 182) }
```

Border

The CSS property to change the border of an element to Yxy 50.6438, 0.2971, 0.3476 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(163, 196, 182) }
```

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

```
.border{ border-color:rgb(163, 196, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 196, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 196, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 196, 182);  
box-shadow:4px 4px 4px 4px rgb(163, 196,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 50.6438, 0.2971, 0.3476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 196, 182) }
```

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

```
.background{ background-color: rgb(163,  
196, 182) }
```

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