

Converting Colors

$Yxy(48.6338, 0.2991, 0.3432)$

Have a look what the booklet for
Yxy(48.6338, 0.2991, 0.3432)
contains.

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Color

Yxy(48.4903, 0.2986, 0.3424)

Conversions

Conversions Part 1

Format	Color
Hex	A4BFB5
RGB	164, 191, 181
RGB Percent	64%, 75%, 71%
CMY	0.3567, 0.2510, 0.2902
CMYK	0.14, 0.00, 0.05, 0.25
HSL	158°, 17%, 70%
HSV	158°, 14%, 75%
XYZ	42.2874, 48.4903, 50.8412
YIQ	181.7870, -12.8820, -8.8340

Conversions

Conversions Part 2

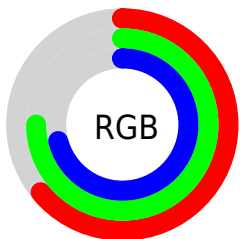
Format	Color
RYB	164, 181, 191
Decimal	10796981
CIELab	75.13, -11.11, 1.97
CIELCh	75, 11.283, 169.969
Yxy	48.4903, 0.2986, 0.3424
Android (android.graphics.Color)	4288987061 (0xFFA4BFB5)
YUV	181.7870, -0.3880, -15.5992
Hunter-Lab	69.6350, -13.4631, 5.4563

Details

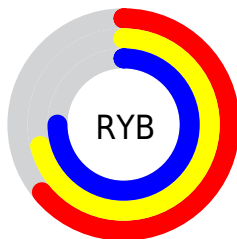
The Yxy color **48.4903, 0.2986, 0.3424** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.7017, 0.3293, 0.3160**, and the grayscale version is **46.6695, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6960, 0.3009, 0.3394**, and **23.1802, 0.2948, 0.3475** is the 20% darker color. If you saturate the color by 10%, you get **46.3261, 0.2891, 0.3531**, and if you desaturate by 10%, it is **50.9786, 0.3086, 0.3327**.

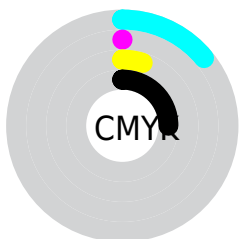
Distribution



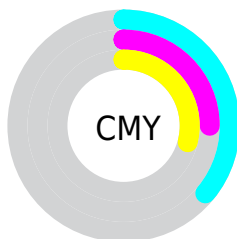
- Red (64%)
- Green (75%)
- Blue (71%)



- Red (64%)
- Yellow (71%)
- Blue (75%)



- Cyan (14%)
- Magenta (0%)
- Yellow (5%)
- Black (25%)



- Cyan (36%)
- Magenta (25%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.4903, 0.2986, 0.3424 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 48.4903, 0.2986, 0.3424 by changing the saturation by 10% instead.


 48.4903, 0.2986,
0.3424


 48.4903, 0.2986,
0.3424


380.7323, 0.3056,
0.3357

 34.2153, 0.2968,
0.3441


 87.9340, 0.3012,
0.3400

 23.0591, 0.2946,
0.3462


 113.8714, 0.3021,
0.3390

 14.6371, 0.2916,
0.3491


144.4652, 0.3029,
0.3383

 8.5651, 0.2874,
0.3532

180.0997, 0.3036,
0.3376

 4.4586, 0.2812,
0.3593

221.1592, 0.3042,
0.3370

 1.9333, 0.2709,
0.3694

268.0282, 0.3048,

 0.5683, 0.2039,

0.3365

0.4310

321.0911, 0.3052,
0.3361

0.0000, 0.0000,
0.0000

48.4903, 0.2986,
0.3424

48.4903, 0.2986,
0.3424

46.3261, 0.2891,
0.3531

50.9786, 0.3086,
0.3327

44.4661, 0.2803,
0.3648

53.7978, 0.3187,
0.3240

42.8975, 0.2726,
0.3774

56.9621, 0.3289,
0.3162

41.6043, 0.2662,
0.3908

60.4831, 0.3390,
0.3094

40.5688, 0.2614,
0.4048

63.4996, 0.3452,
0.3031

■ 39.7712, 0.2585,
0.4190

■ 63.8753, 0.3395,
0.2960

■ 39.1887, 0.2576,
0.4334

■ 64.2671, 0.3339,
0.2891

■ 38.7938, 0.2587,
0.4475

■ 64.6750, 0.3285,
0.2823

■ 38.6172, 0.2599,
0.4557

■ 65.0994, 0.3231,
0.2756

Harmonies

Analogous

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



48.4903, 0.3137, 0.3529



48.4903, 0.2986, 0.3424



48.4903, 0.2874, 0.3282

Triad

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



48.4903, 0.2986, 0.3424



48.4903, 0.2963, 0.3027



48.4903, 0.3435, 0.3421

Complementary

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



48.4903, 0.2986, 0.3424



40.7017, 0.3293, 0.3160

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.



48.4903, 0.3386, 0.3289



48.4903, 0.2986, 0.3424



48.4903, 0.3111, 0.3066

Square

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



48.4903, 0.2986, 0.3424



48.4903, 0.2861, 0.3055



48.4903, 0.3267, 0.3161



48.4903, 0.3399, 0.3523

Rectangle

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



48.4903, 0.2986, 0.3424



48.4903, 0.2835, 0.3189



48.4903, 0.3267, 0.3161



48.4903, 0.3428, 0.3379

Sweetspot

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



48.4923, 0.2986, 0.3424



91.3310, 0.3086, 0.3327



48.9830, 0.3195, 0.3650



19.9763, 0.3078, 0.3334



97.7402, 0.3127, 0.3290



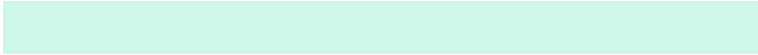
20.4902, 0.3127, 0.3290

Same Dimension

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



48.4923, 0.2986, 0.3424



85.5692, 0.2955, 0.3457



47.5614, 0.2914, 0.3248



10.7478, 0.3033, 0.3377



25.3966, 0.2594, 0.4539



1.0071, 0.2501, 0.4203

Inverse Universe

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



40.7017, 0.3293, 0.3160



68.8601, 0.3337, 0.3129



41.4654, 0.3379, 0.3332



9.5934, 0.3232, 0.3205



7.5918, 0.5465, 0.2784



0.3101, 0.4806, 0.2421

Previews

White Background



This preview shows how the Yxy color 48.4903, 0.2986, 0.3424 looks on a white background.

Color Contrast Check

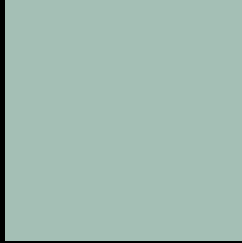
Large Text (above 18pt) WCAG AA × Fail

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 48.4903, 0.2986, 0.3424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

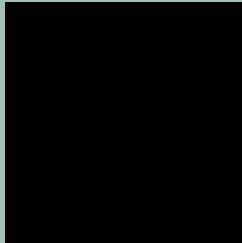
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

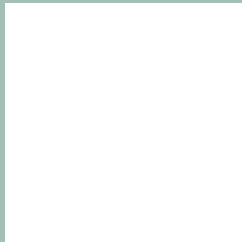
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.4903, 0.2986, 0.3424

Background



This preview shows how black text looks on a background with the Yxy color 48.4903, 0.2986, 0.3424.

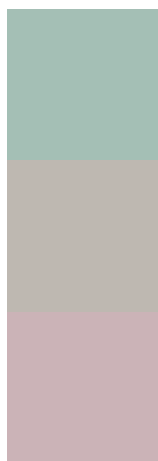


This preview shows how white text looks on a background with the Yxy color 48.4903, 0.2986, 0.3424.

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

48.4903, 0.2986, 0.3424

Protanopia

48.4025, 0.3234, 0.3380

Deuteranopia

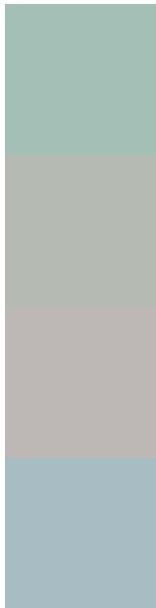
48.3556, 0.3304, 0.3241



Tritanopia

48.6031, 0.2860, 0.3095

Trichromacy



Original Color

48.4903, 0.2986, 0.3424

Protanomaly

48.5788, 0.3147, 0.3407

Deuteranomaly

48.0632, 0.3186, 0.3303

Tritanomaly

48.5508, 0.2909, 0.3211

Monochromacy



Original Color

48.4903, 0.2986, 0.3424

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.1893, 0.3067, 0.3329

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.4903, 0.2986, 0.3424 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(164, 191, 181)` looks like.

```
.text, #text, p{  
    color:rgb(164, 191, 181)  
}
```

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(164, 191, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 191, 181) }
```

Border

The CSS property to change the border of an element to Yxy 48.4903, 0.2986, 0.3424 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(164, 191, 181) }
```

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

```
.border{ border-color:rgb(164, 191, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 191, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 191, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 191, 181);  
box-shadow:4px 4px 4px 4px rgb(164, 191,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 48.4903, 0.2986, 0.3424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 191, 181) }
```

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

```
.background{ background-color: rgb(164,  
191, 181) }
```

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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