

Converting Colors

$Y_{xy}(48.8710, 0.3005, 0.3412)$

Have a look what the booklet for
Yxy(48.8710, 0.3005, 0.3412)
contains.

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Color

Yxy(48.8545, 0.3002, 0.3410)

Conversions

Conversions Part 1

Format	Color
Hex	A7BFB6
RGB	167, 191, 182
RGB Percent	65%, 75%, 71%
CMY	0.3451, 0.2510, 0.2864
CMYK	0.13, 0.00, 0.05, 0.25
HSL	157°, 16%, 70%
HSV	157°, 13%, 75%
XYZ	43.0092, 48.8545, 51.4047
YIQ	182.7980, -11.4150, -7.8870

Conversions

Conversions Part 2

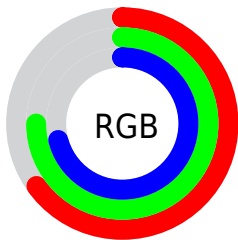
Format	Color
RYB	167, 182, 191
Decimal	10993590
CIELab	75.36, -9.93, 1.79
CIELCh	75, 10.092, 169.803
Yxy	48.8545, 0.3002, 0.3410
Android (android.graphics.Color)	4289183670 (0xFFA7BFB6)
YUV	182.7980, -0.3934, -13.8548
Hunter-Lab	69.8960, -12.4815, 5.3226

Details

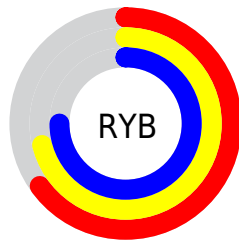
The Yxy color **48.8545, 0.3002, 0.3410** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.8527, 0.3271, 0.3173**, and the grayscale version is **47.2450, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2242, 0.3022, 0.3383**, and **23.4068, 0.2970, 0.3455** is the 20% darker color. If you saturate the color by 10%, you get **46.6379, 0.2907, 0.3517**, and if you desaturate by 10%, it is **51.3977, 0.3101, 0.3313**.

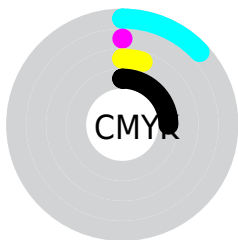
Distribution



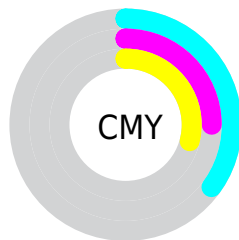
- Red (65%)
- Green (75%)
- Blue (71%)



- Red (65%)
- Yellow (71%)
- Blue (75%)



- Cyan (13%)
- Magenta (0%)
- Yellow (5%)
- Black (25%)




- Cyan (35%)
- Magenta (25%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.8545, 0.3002, 0.3410 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 48.8545, 0.3002, 0.3410 by changing the saturation by 10% instead.


 48.8545, 0.3002,
0.3410


 48.8545, 0.3002,
0.3410


382.1692, 0.3064,
0.3350

 34.5041, 0.2987,
0.3425


 88.4753, 0.3025,
0.3388

 23.2811, 0.2967,
0.3444


 114.5145, 0.3033,
0.3380

 14.8012, 0.2940,
0.3470


145.2187, 0.3040,
0.3373

 8.6800, 0.2903,
0.3506

180.9724, 0.3046,
0.3367

 4.5330, 0.2849,
0.3560

222.1599, 0.3052,
0.3362

 1.9760, 0.2759,
0.3649

269.1656, 0.3057,

 0.5935, 0.2239,

0.3358

0.4132

322.3739, 0.3061,
0.3354

0.0000, 0.0000,
0.0000

48.8545, 0.3002,
0.3410

48.8545, 0.3002,
0.3410

46.6379, 0.2907,
0.3517

51.3977, 0.3101,
0.3313

44.7282, 0.2818,
0.3634

54.2741, 0.3202,
0.3226

43.1127, 0.2740,
0.3761

57.4980, 0.3304,
0.3149

41.7755, 0.2674,
0.3896

61.0808, 0.3403,
0.3081

40.6993, 0.2624,
0.4036

63.5814, 0.3440,
0.3016

■ 39.8646, 0.2593,
0.4181

■ 63.9657, 0.3383,
0.2945

■ 39.2492, 0.2581,
0.4327

■ 64.3665, 0.3326,
0.2875

■ 38.8264, 0.2589,
0.4471

■ 64.7840, 0.3271,
0.2806

■ 38.5992, 0.2604,
0.4576

■ 65.2185, 0.3218,
0.2739

Harmonies

Analogous

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



48.8545, 0.3137, 0.3503



48.8545, 0.3002, 0.3410



48.8545, 0.2901, 0.3284

Triad

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



48.8545, 0.3002, 0.3410



48.8545, 0.2980, 0.3055



48.8545, 0.3402, 0.3407

Complementary

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



48.8545, 0.3002, 0.3410



41.8527, 0.3271, 0.3173

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.



48.8545, 0.3358, 0.3289



48.8545, 0.3002, 0.3410



48.8545, 0.3112, 0.3089

Square

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



48.8545, 0.3002, 0.3410



48.8545, 0.2889, 0.3081



48.8545, 0.3251, 0.3174



48.8545, 0.3370, 0.3498

Rectangle

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



48.8545, 0.3002, 0.3410



48.8545, 0.2866, 0.3201



48.8545, 0.3251, 0.3174



48.8545, 0.3395, 0.3369

Sweetspot

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



48.8566, 0.3002, 0.3410



91.3279, 0.3086, 0.3327



49.3084, 0.3188, 0.3608



19.9755, 0.3079, 0.3334



97.7402, 0.3127, 0.3290



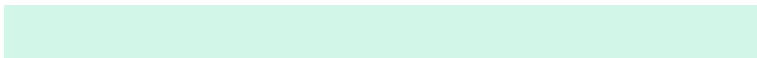
20.4902, 0.3127, 0.3290

Same Dimension

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



48.8566, 0.3002, 0.3410



86.3792, 0.2976, 0.3438



48.0323, 0.2937, 0.3252



10.7470, 0.3034, 0.3378



25.3813, 0.2599, 0.4557



1.0065, 0.2505, 0.4216

Inverse Universe

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



41.8527, 0.3271, 0.3173



71.4465, 0.3307, 0.3147



42.5440, 0.3347, 0.3327



9.5942, 0.3231, 0.3204



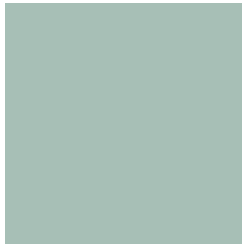
7.6001, 0.5445, 0.2773



0.3105, 0.4791, 0.2413

Previews

White Background



This preview shows how the Yxy color 48.8545, 0.3002, 0.3410 looks on a white background.

Color Contrast Check

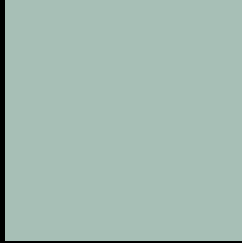
Large Text (above 18pt) WCAG AA × Fail

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 48.8545, 0.3002, 0.3410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

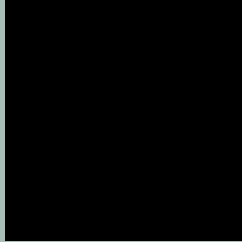
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

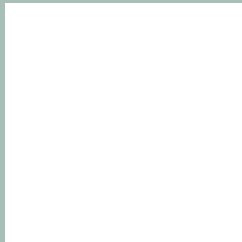
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.8545, 0.3002, 0.3410

Background



This preview shows how black text looks on a background with the Yxy color 48.8545, 0.3002, 0.3410.



This preview shows how white text looks on a background with the Yxy color 48.8545, 0.3002, 0.3410.

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

48.8545, 0.3002, 0.3410

Protanopia

48.4425, 0.3226, 0.3367

Deuteranopia

48.3974, 0.3296, 0.3229



Tritanopia

48.9362, 0.2883, 0.3096

Trichromacy



Original Color

48.8545, 0.3002, 0.3410

Protanomaly

48.7404, 0.3147, 0.3394

Deuteranomaly

48.2330, 0.3187, 0.3290

Tritanomaly

48.8814, 0.2932, 0.3211

Monochromacy



Original Color

48.8545, 0.3002, 0.3410

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.8838, 0.3076, 0.3329

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.8545, 0.3002, 0.3410 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(167, 191, 182)` looks like.

```
.text, #text, p{  
    color:rgb(167, 191, 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(167, 191, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 191, 182) }
```

Border

The CSS property to change the border of an element to Yxy 48.8545, 0.3002, 0.3410 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(167, 191, 182) }
```

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

```
.border{ border-color:rgb(167, 191, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 191, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 191, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 191, 182);  
box-shadow:4px 4px 4px 4px rgb(167, 191,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 48.8545, 0.3002, 0.3410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 191, 182) }
```

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

```
.background{ background-color: rgb(167,  
191, 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](#).

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