

Converting Colors

$Y_{xy}(48.3559, 0.2968, 0.3307)$

Have a look what the booklet for
Yxy(48.3559, 0.2968, 0.3307)
contains.

| | |
|--|----|
| Yxy(48.3509, 0.2966, 0.3303) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(48.3509, 0.2966, 0.3303)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | A8BDBC |
| RGB | 168, 189, 188 |
| RGB Percent | 66%, 74%, 74% |
| CMY | 0.3413, 0.2588, 0.2628 |
| CMYK | 0.11, 0.00, 0.01, 0.26 |
| HSL | 177°, 14%, 70% |
| HSV | 177°, 11%, 74% |
| XYZ | 43.4177, 48.3509, 54.6162 |
| YIQ | 182.6070, -12.1950, -4.7630 |

Conversions

Conversions Part 2

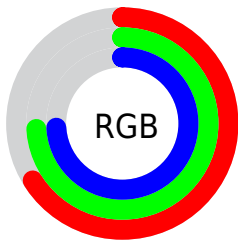
| Format | Color |
|-------------------------------------|--|
| RYB | 168, 179, 189 |
| Decimal | 11058620 |
| CIELab | 75.05, -7.36, -1.93 |
| CIElCh | 75, 7.612, 194.720 |
| Yxy | 48.3509, 0.2966, 0.3303 |
| Android (android.graphics.Color) | 4289248700 (0xFFA8BDBC) |
| YUV | 182.6070, 2.6587, -12.8103 |
| Hunter-Lab | 69.5348, -10.2300, 2.1050 |

Details

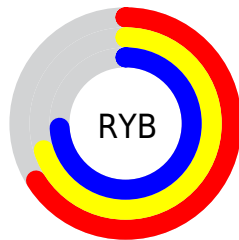
The Yxy color **48.3509, 0.2966, 0.3303** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **41.6797, 0.3314, 0.3277**, and the grayscale version is **47.1160, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5244, 0.2994, 0.3300**, and **23.0706, 0.2922, 0.3308** is the 20% darker color. If you saturate the color by 10%, you get **46.3880, 0.2830, 0.3316**, and if you desaturate by 10%, it is **50.6196, 0.3110, 0.3291**.

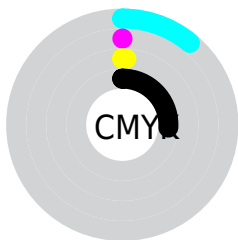
Distribution



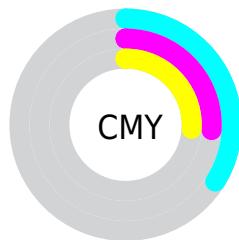
- Red (66%)
- Green (74%)
- Blue (74%)



- Red (66%)
- Yellow (70%)
- Blue (74%)



- Cyan (11%)
- Magenta (0%)
- Yellow (1%)
- Black (26%)





- Cyan (34%)
- Magenta (26%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.3509, 0.2966, 0.3303 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 48.3509, 0.2966, 0.3303 by changing the saturation by 10% instead.

 48.3509, 0.2966,
0.3303


 48.3509, 0.2966,
0.3303

380.1813, 0.3046,
0.3297

 34.1049, 0.2946,
0.3304


 87.7266, 0.2995,
0.3301

 22.9742, 0.2921,
0.3306


 113.6251, 0.3006,
0.3300

 14.5744, 0.2888,
0.3308


144.1765, 0.3015,
0.3299

 8.5213, 0.2841,
0.3311

179.7652, 0.3023,
0.3299

 4.4303, 0.2773,
0.3314

220.7757, 0.3030,
0.3298

 1.9170, 0.2662,
0.3319

267.5923, 0.3036,

 0.5586, 0.2124,

0.3298

0.3379

320.5993, 0.3041,
0.3297

0.0000, 0.0000,
0.0000

48.3509, 0.2966,
0.3303

48.3509, 0.2966,
0.3303

46.3880, 0.2830,
0.3316

50.6196, 0.3110,
0.3291

44.7118, 0.2704,
0.3330

53.2003, 0.3260,
0.3281

43.3106, 0.2592,
0.3344

56.1064, 0.3412,
0.3271

42.1693, 0.2497,
0.3360

59.3488, 0.3565,
0.3263

41.2713, 0.2419,
0.3375

61.4920, 0.3653,
0.3254

■ 40.5984, 0.2359,
0.3391

■ 61.5329, 0.3645,
0.3245

■ 40.1296, 0.2319,
0.3407

■ 61.5741, 0.3637,
0.3235

■ 39.8399, 0.2297,
0.3423

■ 61.6155, 0.3630,
0.3226

■ 39.6897, 0.2288,
0.3437

■ 61.6572, 0.3622,
0.3216

Harmonies

Analogous

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



48.3509, 0.3049, 0.3395



48.3509, 0.2966, 0.3303



48.3509, 0.2926, 0.3209

Triad

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



48.3509, 0.2966, 0.3303



48.3509, 0.3098, 0.3130



48.3509, 0.3319, 0.3439

Complementary

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



48.3509, 0.2966, 0.3303



41.6797, 0.3314, 0.3277

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.



48.3509, 0.3333, 0.3365



48.3509, 0.2966, 0.3303



48.3509, 0.3204, 0.3189

Square

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



48.3509, 0.2966, 0.3303



48.3509, 0.3001, 0.3111



48.3509, 0.3291, 0.3274



48.3509, 0.3253, 0.3473

Rectangle

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



48.3509, 0.2966, 0.3303



48.3509, 0.2929, 0.3159



48.3509, 0.3291, 0.3274



48.3509, 0.3330, 0.3418

Sweetspot

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



48.3529, 0.2966, 0.3303



89.8256, 0.3082, 0.3293



47.6644, 0.3122, 0.3575



19.2436, 0.3070, 0.3294



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.



48.3529, 0.2966, 0.3303



85.8130, 0.2937, 0.3306



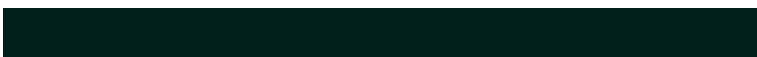
44.4553, 0.2957, 0.3163



10.8013, 0.2991, 0.3301



26.7038, 0.2288, 0.3435



1.0485, 0.2277, 0.3397

Inverse Universe

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



41.6797, 0.3314, 0.3277



71.8346, 0.3354, 0.3275



45.2651, 0.3308, 0.3414



9.5437, 0.3281, 0.3279



7.2960, 0.6339, 0.3266



0.2884, 0.6112, 0.3140

Previews

White Background



This preview shows how the Yxy color 48.3509, 0.2966, 0.3303 looks on a white background.

Color Contrast Check

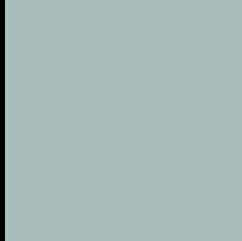
Large Text (above 18pt) WCAG AA × Fail

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 48.3509, 0.2966, 0.3303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

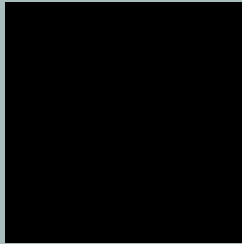
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

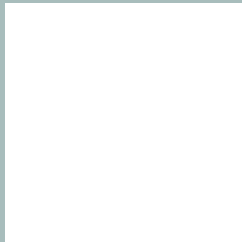
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.3509, 0.2966, 0.3303

Background



This preview shows how black text looks on a background with the Yxy color 48.3509, 0.2966, 0.3303.

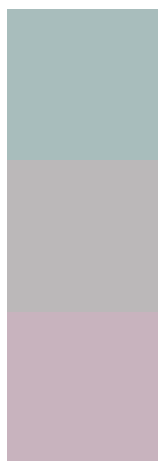


This preview shows how white text looks on a background with the Yxy color 48.3509, 0.2966, 0.3303.

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

48.3509, 0.2966, 0.3303

Protanopia

48.3486, 0.3145, 0.3277

Deuteranopia

48.2373, 0.3220, 0.3155



Tritanopia

48.3510, 0.2882, 0.3096

Trichromacy



Original Color

48.3509, 0.2966, 0.3303

Protanomaly

48.3663, 0.3078, 0.3290

Deuteranomaly

48.2325, 0.3122, 0.3214

Tritanomaly

48.4327, 0.2909, 0.3172

Monochromacy



Original Color

48.3509, 0.2966, 0.3303

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.6657, 0.3069, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.3509, 0.2966, 0.3303 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(168, 189, 188)` looks like.

```
.text, #text, p{  
    color:rgb(168, 189, 188)  
}
```

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(168, 189, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 189, 188) }
```

Border

The CSS property to change the border of an element to Yxy 48.3509, 0.2966, 0.3303 is called "border". The border property can be set on classes, ids or directly on the HTML element.

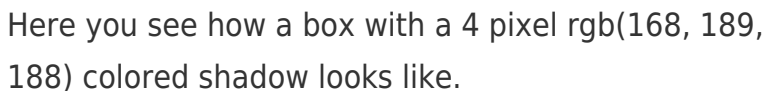
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(168, 189, 188) }
```

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

```
.border{ border-color:rgb(168, 189, 188) }
```

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



Here you see how a box with a 4 pixel `rgb(168, 189, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 189, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 189, 188); box-shadow:4px 4px 4px 4px rgb(168, 189, 188) }
```


Background

The CSS property to change the background color of an element to Yxy 48.3509, 0.2966, 0.3303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 189, 188) }
```

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

```
.background{ background-color: rgb(168,  
189, 188) }
```

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