

Converting Colors

$Y_{xy}(50.5811, 0.2917, 0.3301)$

Have a look what the booklet for
Yxy(50.5811, 0.2917, 0.3301)
contains.

Yxy(50.5408, 0.2917, 0.3302)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.5408, 0.2917, 0.3302)

Conversions

Conversions Part 1

Format	Color
Hex	A6C2C1
RGB	166, 194, 193
RGB Percent	65%, 76%, 76%
CMY	0.3490, 0.2392, 0.2430
CMYK	0.14, 0.00, 0.00, 0.24
HSL	178°, 19%, 71%
HSV	178°, 14%, 76%
XYZ	44.6479, 50.5408, 57.8724
YIQ	185.5140, -16.3670, -6.2470

Conversions

Conversions Part 2

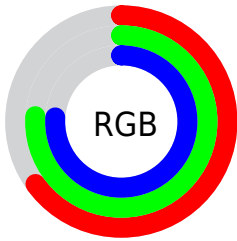
Format	Color
R_YB	166, 180, 194
Decimal	10928833
CIE Lab	76.40, -9.60, -2.70
CIE LCh	76, 9.969, 195.695
Yxy	50.5408, 0.2917, 0.3302
Android (android.graphics.Color)	4289118913 (0xFFA6C2C1)
YUV	185.5140, 3.6906, -17.1138
Hunter-Lab	71.0921, -12.3077, 1.4995

Details

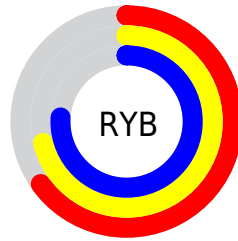
The Yxy color **50.5408, 0.2917, 0.3302** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.5358, 0.3383, 0.3278**, and the grayscale version is **48.8060, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2061, 0.2955, 0.3310**, and **24.2270, 0.2858, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **48.5720, 0.2782, 0.3311**, and if you desaturate by 10%, it is **52.8302, 0.3061, 0.3294**.

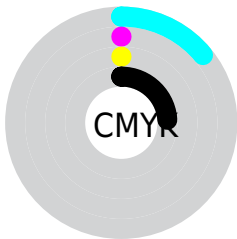
Distribution



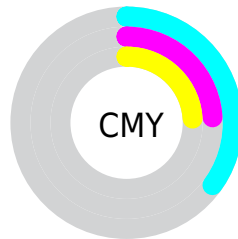
- Red (65%)
- Green (76%)
- Blue (76%)



- Red (65%)
- Yellow (71%)
- Blue (76%)



- Cyan (14%)
- Magenta (0%)
- Yellow (0%)
- Black (24%)





- Cyan (35%)
- Magenta (24%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.5408, 0.2917, 0.3302 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 50.5408, 0.2917, 0.3302 by changing the saturation by 10% instead.


 50.5408, 0.2917,
0.3302


 50.5408, 0.2917,
0.3302


388.7770, 0.3020,
0.3297

 35.8433, 0.2892,
0.3303


 90.9756, 0.2954,
0.3300

 24.3132, 0.2860,
0.3304


 117.4818, 0.2968,
0.3300

 15.5661, 0.2817,
0.3306


148.6929, 0.2980,
0.3299

 9.2176, 0.2760,
0.3307

184.9933, 0.2990,
0.3298

 4.8834, 0.2675,
0.3309

226.7676, 0.2999,
0.3298

 2.1790, 0.2540,
0.3309

274.4001, 0.3007,

 0.7085, 0.2084,

0.3298

0.3362

328.2751, 0.3014,
0.3297

0.0000, 0.0000,
0.0000

50.5408, 0.2917,
0.3302

50.5408, 0.2917,
0.3302

48.5720, 0.2782,
0.3311

52.8302, 0.3061,
0.3294

46.9034, 0.2659,
0.3321

55.4471, 0.3212,
0.3286

45.5219, 0.2551,
0.3332

58.4061, 0.3366,
0.3279

44.4110, 0.2460,
0.3343

61.7190, 0.3521,
0.3273

43.5524, 0.2388,
0.3354

63.8455, 0.3609,
0.3267

■ 42.9259, 0.2334,
0.3365

■ 63.8762, 0.3604,
0.3260

■ 42.5078, 0.2299,
0.3376

■ 63.9069, 0.3598,
0.3253

■ 42.2695, 0.2281,
0.3387

■ 63.9378, 0.3593,
0.3246

■ 42.1836, 0.2276,
0.3393

■ 63.9689, 0.3587,
0.3239

Harmonies

Analogous

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



50.5408, 0.3022, 0.3422



50.5408, 0.2917, 0.3302



50.5408, 0.2868, 0.3181

Triad

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



50.5408, 0.2917, 0.3302



50.5408, 0.3094, 0.3086



50.5408, 0.3373, 0.3483

Complementary

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



50.5408, 0.2917, 0.3302



41.5358, 0.3383, 0.3278

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.



50.5408, 0.3394, 0.3390



50.5408, 0.2917, 0.3302



50.5408, 0.3231, 0.3163

Square

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



50.5408, 0.2917, 0.3302



50.5408, 0.2968, 0.3060



50.5408, 0.3341, 0.3273



50.5408, 0.3285, 0.3527

Rectangle

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



50.5408, 0.2917, 0.3302



50.5408, 0.2873, 0.3118



50.5408, 0.3341, 0.3273



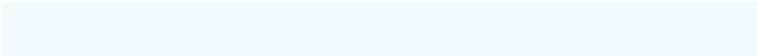
50.5408, 0.3388, 0.3456

Sweetspot

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



50.5429, 0.2917, 0.3302



95.8781, 0.3067, 0.3293



49.5969, 0.3121, 0.3668



20.9218, 0.3055, 0.3294



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.



50.5429, 0.2917, 0.3302



90.5001, 0.2878, 0.3305



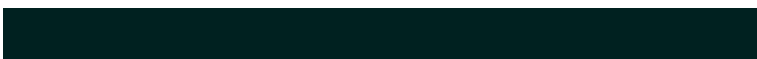
45.2162, 0.2905, 0.3122



11.4223, 0.2989, 0.3298



27.7377, 0.2276, 0.3392



1.2004, 0.2269, 0.3367

Inverse Universe

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



41.5358, 0.3383, 0.3278



71.3466, 0.3443, 0.3276



46.3055, 0.3368, 0.3453



10.0834, 0.3284, 0.3282



7.5529, 0.6358, 0.3276



0.3283, 0.6202, 0.3190

Previews

White Background



This preview shows how the Yxy color 50.5408, 0.2917, 0.3302 looks on a white background.

Color Contrast Check

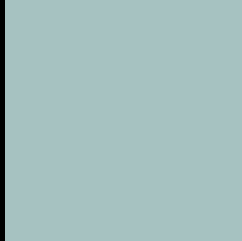
Large Text (above 18pt) WCAG AA × Fail

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 50.5408, 0.2917, 0.3302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

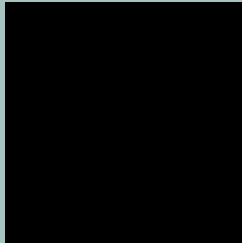
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

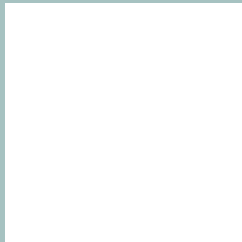
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.5408, 0.2917, 0.3302

Background



This preview shows how black text looks on a background with the Yxy color 50.5408, 0.2917, 0.3302.

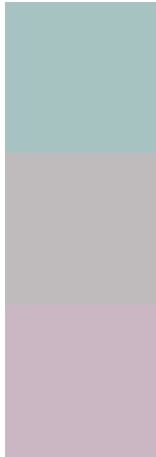


This preview shows how white text looks on a background with the Yxy color 50.5408, 0.2917, 0.3302.

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

50.5408, 0.2917, 0.3302

Protanopia

50.2911, 0.3145, 0.3265

Deuteranopia

50.0925, 0.3202, 0.3133



Tritanopia

50.6393, 0.2843, 0.3098

Trichromacy



Original Color

50.5408, 0.2917, 0.3302

Protanomaly

50.4897, 0.3062, 0.3290

Deuteranomaly

49.9600, 0.3099, 0.3190

Tritanomaly

50.7290, 0.2870, 0.3173

Monochromacy



Original Color

50.5408, 0.2917, 0.3302

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.6530, 0.3046, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.5408, 0.2917, 0.3302 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(166, 194, 193)` looks like.

```
.text, #text, p{  
    color:rgb(166, 194, 193)  
}
```

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(166, 194, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 194, 193) }
```

Border

The CSS property to change the border of an element to Yxy 50.5408, 0.2917, 0.3302 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(166, 194, 193) }
```

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

```
.border{ border-color:rgb(166, 194, 193) }
```

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

Here you see how a box with a 4 pixel rgb(166, 194, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 194, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 194, 193);  
box-shadow:4px 4px 4px 4px rgb(166, 194,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 50.5408, 0.2917, 0.3302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 194, 193) }
```

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

```
.background{ background-color: rgb(166,  
194, 193) }
```

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