

Converting Colors

$Yxy(51.3823, 0.2890, 0.3409)$

Have a look what the booklet for
Yxy(51.3823, 0.2890, 0.3409)
contains.

Yxy(51.3314, 0.2888, 0.3409)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(51.3314, 0.2888, 0.3409)

Conversions

Conversions Part 1

Format	Color
Hex	9EC6BD
RGB	158, 198, 189
RGB Percent	62%, 78%, 74%
CMY	0.3802, 0.2236, 0.2588
CMYK	0.20, 0.00, 0.05, 0.22
HSL	166°, 26%, 70%
HSV	166°, 20%, 78%
XYZ	43.4864, 51.3314, 55.7583
YIQ	185.0140, -20.9510, -11.2790

Conversions

Conversions Part 2

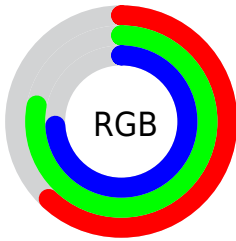
Format	Color
R _{YB}	158, 181, 198
Decimal	10405565
CIE Lab	76.88, -15.06, 0.13
CIE LCh	77, 15.064, 179.517
Yxy	51.3314, 0.2888, 0.3409
Android (android.graphics.Color)	4288595645 (0xFF9EC6BD)
YUV	185.0140, 1.9651, -23.6913
Hunter-Lab	71.6459, -17.0376, 4.0098

Details

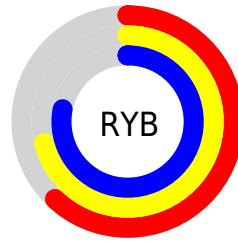
The Yxy color **51.3314, 0.2888, 0.3409** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.2666, 0.3436, 0.3175**, and the grayscale version is **48.5271, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.2587, 0.2930, 0.3393**, and **24.7883, 0.2822, 0.3435** is the 20% darker color. If you saturate the color by 10%, you get **49.2934, 0.2780, 0.3476**, and if you desaturate by 10%, it is **53.7031, 0.3004, 0.3347**.

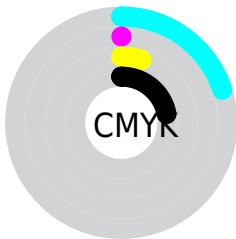
Distribution



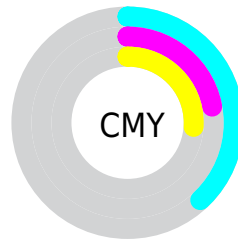
- Red (62%)
- Green (78%)
- Blue (74%)



- Red (62%)
- Yellow (71%)
- Blue (78%)



- Cyan (20%)
- Magenta (0%)
- Yellow (5%)
- Black (22%)





- Cyan (38%)
- Magenta (22%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.3314, 0.2888, 0.3409 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 51.3314, 0.2888, 0.3409 by changing the saturation by 10% instead.

 51.3314, 0.2888,
0.3409

 51.3314, 0.2888,
0.3409


391.8500, 0.3006,
0.3351

 36.4724, 0.2859,
0.3423


 92.1445, 0.2930,
0.3388

 24.7993, 0.2823,
0.3441

 118.8673, 0.2946,
0.3380

 15.9276, 0.2775,
0.3465


150.3136, 0.2960,
0.3373

 9.4729, 0.2708,
0.3498

186.8677, 0.2972,
0.3367

 5.0509, 0.2612,
0.3546

228.9139, 0.2982,
0.3362

 2.2772, 0.2458,
0.3623

276.8368, 0.2991,


 0.7616, 0.1838,


0.3358

0.3930


331.0207, 0.2999,
0.3354


 0.0000, 0.0000,
0.0000


 51.3314, 0.2888,
0.3409


 51.3314, 0.2888,
0.3409


 49.2934, 0.2780,
0.3476


 53.7031, 0.3004,
0.3347


 47.5672, 0.2683,
0.3549


 56.4167, 0.3125,
0.3291


 46.1381, 0.2601,
0.3625


 59.4877, 0.3249,
0.3240


 44.9879, 0.2534,
0.3705


 62.9292, 0.3374,
0.3195


 44.0960, 0.2486,
0.3787


 66.3633, 0.3481,
0.3155

 43.4392, 0.2457,
0.3870


 66.5905, 0.3446,
0.3110

 42.9898, 0.2448,
0.3953

 66.8240, 0.3411,
0.3065

 42.6989, 0.2454,
0.4033

 67.0637, 0.3377,
0.3020

 67.3098, 0.3343,
0.2977

Harmonies

Analogous

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



51.3314, 0.3074, 0.3570



51.3314, 0.2888, 0.3409



51.3314, 0.2768, 0.3218

Triad

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



51.3314, 0.2888, 0.3409



51.3314, 0.2969, 0.2956



51.3314, 0.3529, 0.3508

Complementary

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



51.3314, 0.2888, 0.3409



39.2666, 0.3436, 0.3175

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.



51.3314, 0.3500, 0.3343



51.3314, 0.2888, 0.3409



51.3314, 0.3171, 0.3032

Square

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



51.3314, 0.2888, 0.3409



51.3314, 0.2813, 0.2963



51.3314, 0.3367, 0.3171



51.3314, 0.3446, 0.3622

Rectangle

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



51.3314, 0.2888, 0.3409



51.3314, 0.2739, 0.3104



51.3314, 0.3367, 0.3171



51.3314, 0.3532, 0.3456

Sweetspot

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



51.3335, 0.2888, 0.3409



96.9929, 0.3053, 0.3324



51.1115, 0.3175, 0.3829



20.6934, 0.3045, 0.3327



0.0000, 0.0000, 0.0000



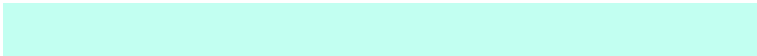
21.4041, 0.3127, 0.3290

Same Dimension

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



51.3335, 0.2888, 0.3409



89.3268, 0.2842, 0.3437



47.0368, 0.2820, 0.3147



12.0251, 0.3013, 0.3343



27.7834, 0.2451, 0.4022



1.3259, 0.2403, 0.3851

Inverse Universe

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



39.2666, 0.3436, 0.3175



64.2881, 0.3518, 0.3149



42.7397, 0.3497, 0.3429



10.6754, 0.3255, 0.3238



7.9397, 0.5984, 0.3070



0.3873, 0.5383, 0.2739

Previews

White Background



This preview shows how the Yxy color 51.3314, 0.2888, 0.3409 looks on a white background.

Color Contrast Check

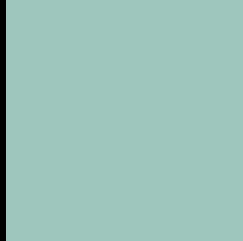
Large Text (above 18pt) WCAG AA × Fail

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 51.3314, 0.2888, 0.3409 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

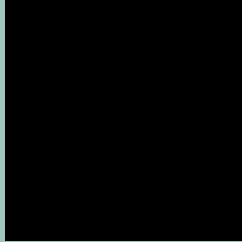
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

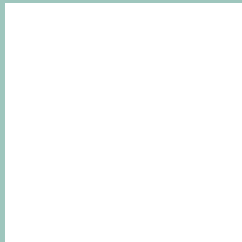
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.3314, 0.2888, 0.3409

Background



This preview shows how black text looks on a background with the Yxy color 51.3314, 0.2888, 0.3409.



This preview shows how white text looks on a background with the Yxy color 51.3314, 0.2888, 0.3409.

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

51.3314, 0.2888, 0.3409

Protanopia

50.8965, 0.3208, 0.3340

Deuteranopia

50.7946, 0.3251, 0.3182



Tritanopia

51.3647, 0.2776, 0.3097

Trichromacy



Original Color

51.3314, 0.2888, 0.3409

Protanomaly

51.0682, 0.3083, 0.3367

Deuteranomaly

50.5468, 0.3112, 0.3252

Tritanomaly

51.3212, 0.2822, 0.3211

Monochromacy



Original Color

51.3314, 0.2888, 0.3409

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

49.4860, 0.3036, 0.3342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.3314, 0.2888, 0.3409 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(158, 198, 189)` looks like.

```
.text, #text, p{  
    color:rgb(158, 198, 189)  
}
```

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(158, 198, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 198, 189) }
```

Border

The CSS property to change the border of an element to Yxy 51.3314, 0.2888, 0.3409 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(158, 198, 189) }
```

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

```
.border{ border-color:rgb(158, 198, 189) }
```

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

Here you see how a box with a 4 pixel rgb(158, 198, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 198, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 198, 189);  
box-shadow:4px 4px 4px 4px rgb(158, 198,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 51.3314, 0.2888, 0.3409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 198, 189) }
```

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

```
.background{ background-color: rgb(158,  
198, 189) }
```

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