

Converting Colors

$Y_{xy}(51.9729, 0.2942, 0.3422)$

Have a look what the booklet for
Yxy(51.9729, 0.2942, 0.3422)
contains.

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Color

Yxy(51.9115, 0.2938, 0.3421)

Conversions

Conversions Part 1

Format	Color
Hex	A4C6BC
RGB	164, 198, 188
RGB Percent	64%, 78%, 74%
CMY	0.3568, 0.2235, 0.2627
CMYK	0.17, 0.00, 0.05, 0.22
HSL	162°, 23%, 71%
HSV	162°, 17%, 78%
XYZ	44.5823, 51.9115, 55.2499
YIQ	186.6940, -17.0540, -10.3180

Conversions

Conversions Part 2

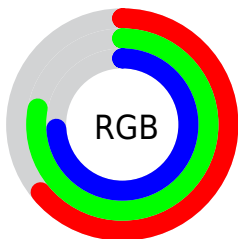
Format	Color
RYB	164, 184, 198
Decimal	10798780
CIELab	77.23, -13.36, 1.22
CIElCh	77, 13.411, 174.799
Yxy	51.9115, 0.2938, 0.3421
Android (android.graphics.Color)	4288988860 (0xFFA4C6BC)
YUV	186.6940, 0.6439, -19.9026
Hunter-Lab	72.0496, -15.6361, 4.9694

Details

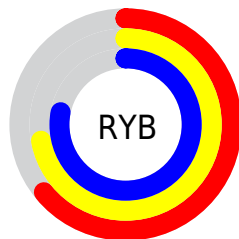
The Yxy color **51.9115, 0.2938, 0.3421** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.6157, 0.3360, 0.3163**, and the grayscale version is **49.5180, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1117, 0.2971, 0.3402**, and **25.1405, 0.2887, 0.3452** is the 20% darker color. If you saturate the color by 10%, you get **49.7222, 0.2836, 0.3508**, and if you desaturate by 10%, it is **54.4432, 0.3047, 0.3342**.

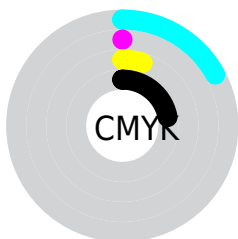
Distribution



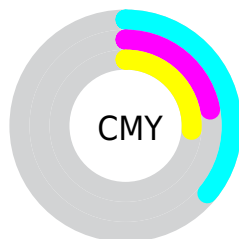
- Red (64%)
- Green (78%)
- Blue (74%)



- Red (64%)
- Yellow (72%)
- Blue (78%)



- Cyan (17%)
- Magenta (0%)
- Yellow (5%)
- Black (22%)





- Cyan (36%)
- Magenta (22%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.9115, 0.2938, 0.3421 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 51.9115, 0.2938, 0.3421 by changing the saturation by 10% instead.


 51.9115, 0.2938,
0.3421


 51.9115, 0.2938,
0.3421


394.0949, 0.3031,
0.3356

 36.9345, 0.2915,
0.3437


 93.0007, 0.2971,
0.3398

 25.1568, 0.2886,
0.3457


 119.8817, 0.2984,
0.3389

 16.1939, 0.2848,
0.3484


151.4996, 0.2995,
0.3381

 9.6615, 0.2796,
0.3521

188.2387, 0.3004,
0.3375

 5.1751, 0.2719,
0.3576

230.4833, 0.3012,
0.3369

 2.3504, 0.2596,
0.3664

278.6180, 0.3019,

 0.8002, 0.2150,

0.3365

0.3959

333.0270, 0.3025,
0.3360

0.0000, 0.0000,
0.0000

51.9115, 0.2938,
0.3421

51.9115, 0.2938,
0.3421

49.7222, 0.2836,
0.3508

54.4432, 0.3047,
0.3342

47.8537, 0.2742,
0.3602

57.3251, 0.3159,
0.3271

46.2915, 0.2661,
0.3702


60.5728, 0.3273,
0.3207

45.0178, 0.2595,
0.3807


64.1990, 0.3387,
0.3150

44.0129, 0.2547,
0.3917


66.6651, 0.3435,
0.3096

 43.2542, 0.2518,
0.4028


 66.9737, 0.3390,
0.3038

 42.7156, 0.2509,
0.4139

 67.2931, 0.3346,
0.2980

 42.3613, 0.2518,
0.4249

 67.6234, 0.3302,
0.2924

 42.2762, 0.2522,
0.4281

 67.9647, 0.3258,
0.2868

Harmonies

Analogous

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



51.9115, 0.3109, 0.3554



51.9115, 0.2938, 0.3421



51.9115, 0.2819, 0.3253

Triad

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



51.9115, 0.2938, 0.3421



51.9115, 0.2961, 0.2988



51.9115, 0.3486, 0.3463

Complementary

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



51.9115, 0.2938, 0.3421



41.6157, 0.3360, 0.3163

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.



51.9115, 0.3444, 0.3313



51.9115, 0.2938, 0.3421



51.9115, 0.3138, 0.3045

Square

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



51.9115, 0.2938, 0.3421



51.9115, 0.2832, 0.3007



51.9115, 0.3316, 0.3162



51.9115, 0.3427, 0.3573

Rectangle

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



51.9115, 0.2938, 0.3421



51.9115, 0.2784, 0.3148



51.9115, 0.3316, 0.3162



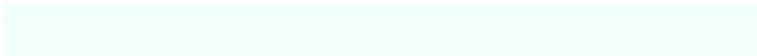
51.9115, 0.3483, 0.3416

Sweetspot

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



51.9137, 0.2938, 0.3421



97.4224, 0.3070, 0.3326



52.0922, 0.3187, 0.3739



20.7777, 0.3062, 0.3332



0.0000, 0.0000, 0.0000



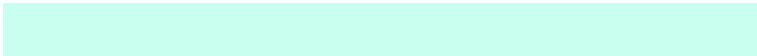
21.4041, 0.3127, 0.3290

Same Dimension

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



51.9137, 0.2938, 0.3421



90.2470, 0.2895, 0.3456



49.3210, 0.2867, 0.3200



12.0124, 0.3022, 0.3359



27.5082, 0.2518, 0.4266



1.3147, 0.2455, 0.4037

Inverse Universe

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



41.6157, 0.3360, 0.3163



68.2634, 0.3429, 0.3130



43.7394, 0.3438, 0.3378



10.6874, 0.3244, 0.3222



8.0210, 0.5761, 0.2947



0.3927, 0.5151, 0.2611

Previews

White Background



This preview shows how the Yxy color 51.9115, 0.2938, 0.3421 looks on a white background.

Color Contrast Check

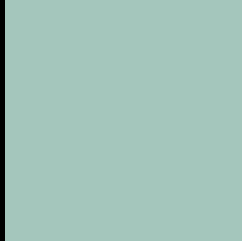
Large Text (above 18pt) WCAG AA × Fail

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 51.9115, 0.2938, 0.3421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

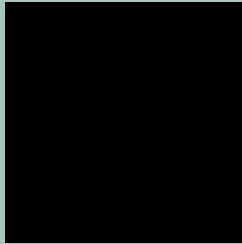
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

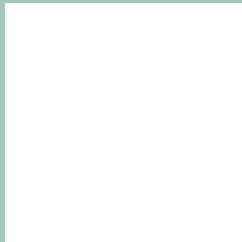
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.9115, 0.2938, 0.3421

Background



This preview shows how black text looks on a background with the Yxy color 51.9115, 0.2938, 0.3421.



This preview shows how white text looks on a background with the Yxy color 51.9115, 0.2938, 0.3421.

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

51.9115, 0.2938, 0.3421

Protanopia

51.4162, 0.3223, 0.3365

Deuteranopia

51.4525, 0.3275, 0.3207



Tritanopia

52.0082, 0.2818, 0.3099

Trichromacy



Original Color

51.9115, 0.2938, 0.3421

Protanomaly

51.3924, 0.3115, 0.3379

Deuteranomaly

51.3194, 0.3144, 0.3278

Tritanomaly

51.9596, 0.2865, 0.3212

Monochromacy



Original Color

51.9115, 0.2938, 0.3421

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

50.4332, 0.3060, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.9115, 0.2938, 0.3421 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, 198, 188)` looks like.

```
.text, #text, p{  
    color:rgb(164, 198, 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(164, 198, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 198, 188) }
```

Border

The CSS property to change the border of an element to Yxy 51.9115, 0.2938, 0.3421 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, 198, 188) }
```

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

```
.border{ border-color:rgb(164, 198, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 198, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 198, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 198, 188);  
box-shadow:4px 4px 4px 4px rgb(164, 198,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 51.9115, 0.2938, 0.3421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 198, 188) }
```

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

```
.background{ background-color: rgb(164,  
198, 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](#).

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