

Converting Colors

$Y_{xy}(51.5119, 0.2687, 0.3170)$

Have a look what the booklet for
Yxy(51.5119, 0.2687, 0.3170)
contains.

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Color

Yxy(51.5119, 0.2687, 0.3170)

Conversions

Conversions Part 1

Format	Color
Hex	92C7D0
RGB	146, 199, 208
RGB Percent	57%, 78%, 82%
CMY	0.4275, 0.2196, 0.1843
CMYK	0.30, 0.04, 0.00, 0.18
HSL	189°, 40%, 69%
HSV	189°, 30%, 82%
XYZ	43.6632, 51.5119, 67.3230
YIQ	184.1790, -34.4770, -8.4370

Conversions

Conversions Part 2

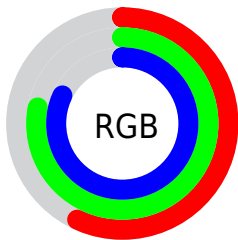
Format	Color
RYB	146, 175, 208
Decimal	9619408
CIELab	76.99, -15.01, -10.06
CIElCh	77, 18.070, 213.832
Yxy	51.5119, 0.2687, 0.3170
Android (android.graphics.Color)	4287809488 (0xFF92C7D0)
YUV	184.1790, 11.7438, -33.4830
Hunter-Lab	71.7718, -17.0080, -5.3746

Details

The Yxy color **51.5119, 0.2687, 0.3170** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.9323, 0.3755, 0.3406**, and the grayscale version is **47.9861, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1575, 0.2811, 0.3289**, and **24.9110, 0.2569, 0.3126** is the 20% darker color. If you saturate the color by 10%, you get **48.4010, 0.2556, 0.3124**, and if you desaturate by 10%, it is **55.0013, 0.2828, 0.3214**.

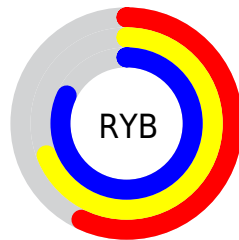
Distribution



Red (57%)

Green (78%)

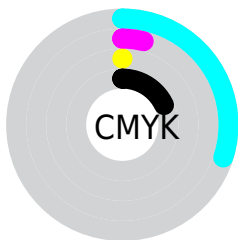
Blue (82%)



Red (57%)

Yellow (69%)

Blue (82%)

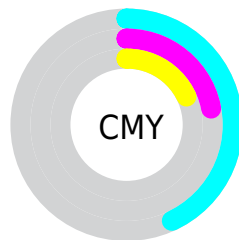


Cyan (30%)

Magenta (4%)

Yellow (0%)

Black (18%)



Cyan (43%)


Magenta (22%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.5119, 0.2687, 0.3170 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 51.5119, 0.2687, 0.3170 by changing the saturation by 10% instead.


 51.5119, 0.2687,
0.3170


 51.5119, 0.2687,
0.3170


392.5494, 0.2900,
0.3232

 36.6162, 0.2636,
0.3154


 92.4110, 0.2763,
0.3193

 24.9104, 0.2571,
0.3133


 119.1832, 0.2792,
0.3202

 16.0103, 0.2487,
0.3104


150.6829, 0.2817,
0.3209

 9.5315, 0.2374,
0.3063

187.2946, 0.2838,
0.3215

 5.0894, 0.2213,
0.3000

229.4028, 0.2857,
0.3220

 2.2998, 0.1969,
0.2894

277.3917, 0.2873,

 0.7736, 0.1311,

0.3225

0.2750

331.6457, 0.2887,
0.3229

0.0000, 0.0000,
0.0000

51.5119, 0.2687,
0.3170

51.5119, 0.2687,
0.3170

48.4010, 0.2556,
0.3124

55.0013, 0.2828,
0.3214

45.6436, 0.2439,
0.3075

58.8807, 0.2977,
0.3254

43.2208, 0.2338,
0.3025

63.1684, 0.3130,
0.3291

41.1096, 0.2255,
0.2973

67.8799, 0.3285,
0.3324

39.2837, 0.2191,
0.2922

73.0298, 0.3439,
0.3354

■ 37.7120, 0.2146,
0.2870

■ 75.5097, 0.3472,
0.3384

■ 36.3384, 0.2117,
0.2820

■ 77.0832, 0.3466,
0.3414

■ 36.3133, 0.2116,
0.2819

■ 78.6853, 0.3461,
0.3444

■ 80.3163, 0.3455,
0.3474

Harmonies

Analogous

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



51.5119, 0.2815, 0.3400



51.5119, 0.2687, 0.3170



51.5119, 0.2672, 0.2986

Triad

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



51.5119, 0.2687, 0.3170



51.5119, 0.3215, 0.3003



51.5119, 0.3484, 0.3699

Complementary

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



51.5119, 0.2687, 0.3170



38.9323, 0.3755, 0.3406

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.



51.5119, 0.3602, 0.3573



51.5119, 0.2687, 0.3170



51.5119, 0.3444, 0.3176

Square

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



51.5119, 0.2687, 0.3170



51.5119, 0.2969, 0.2900



51.5119, 0.3588, 0.3381



51.5119, 0.3272, 0.3716

Rectangle

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



51.5119, 0.2687, 0.3170



51.5119, 0.2728, 0.2912



51.5119, 0.3588, 0.3381



51.5119, 0.3537, 0.3668

Sweetspot

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



51.5140, 0.2687, 0.3170



93.7954, 0.2988, 0.3257



53.5706, 0.3033, 0.4036



19.8723, 0.2965, 0.3251



0.0000, 0.0000, 0.0000



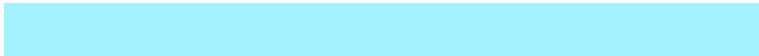
21.4041, 0.3127, 0.3290

Same Dimension

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



51.5140, 0.2687, 0.3170



78.3320, 0.2599, 0.3140



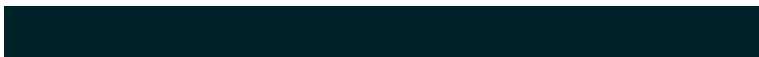
38.9439, 0.2641, 0.2751



13.1021, 0.2983, 0.3255



22.7396, 0.2118, 0.2826



1.3533, 0.2144, 0.2919

Inverse Universe

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



38.0929, 0.3245, 0.2652



53.9161, 0.3277, 0.2511



50.2997, 0.3648, 0.3775



11.9783, 0.3160, 0.3094



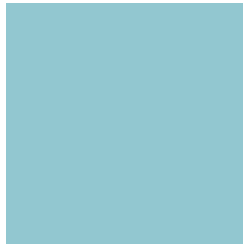
10.3668, 0.3611, 0.1763



0.5879, 0.3526, 0.1716

Previews

White Background



This preview shows how the Yxy color 51.5119, 0.2687, 0.3170 looks on a white background.

Color Contrast Check

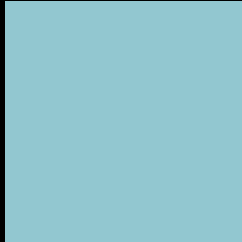
Large Text (above 18pt) WCAG AA × Fail

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 51.5119, 0.2687, 0.3170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

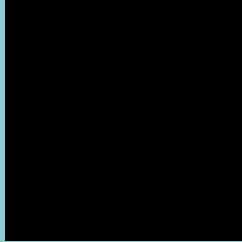
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

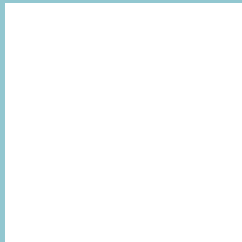
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.5119, 0.2687, 0.3170

Background



This preview shows how black text looks on a background with the Yxy color 51.5119, 0.2687, 0.3170.

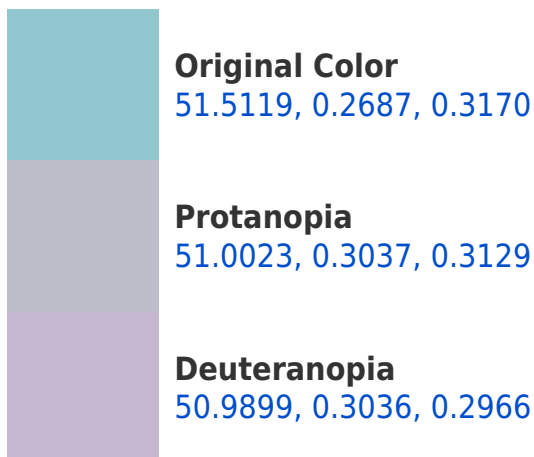


This preview shows how white text looks on a background with the Yxy color 51.5119, 0.2687, 0.3170.

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





Tritanopia

51.4463, 0.2656, 0.3080

Trichromacy



Original Color

51.5119, 0.2687, 0.3170

Protanomaly

50.9431, 0.2893, 0.3137

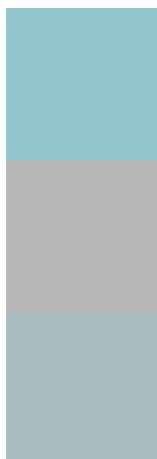
Deuteranomaly

50.6320, 0.2895, 0.3027

Tritanomaly

51.3447, 0.2668, 0.3106

Monochromacy



Original Color

51.5119, 0.2687, 0.3170

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.7915, 0.2946, 0.3237

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.5119, 0.2687, 0.3170 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(146, 199, 208)` looks like.

```
.text, #text, p{  
    color:rgb(146, 199, 208)  
}
```

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(146, 199, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 199, 208) }
```

Border

The CSS property to change the border of an element to Yxy 51.5119, 0.2687, 0.3170 is called "border". The border property can be set on classes, ids or directly on the HTML element.

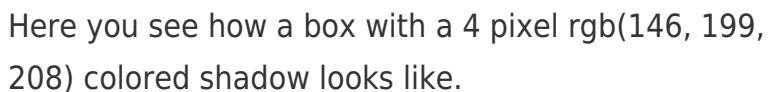
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(146, 199, 208) }
```

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

```
.border{ border-color:rgb(146, 199, 208) }
```

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



Here you see how a box with a 4 pixel `rgb(146, 199, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(146, 199, 208); -webkit-box-shadow:4px 4px 4px 4px rgb(146, 199, 208); box-shadow:4px 4px 4px 4px rgb(146, 199, 208) }
```


Background

The CSS property to change the background color of an element to Yxy 51.5119, 0.2687, 0.3170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 199, 208) }
```

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

```
.background{ background-color: rgb(146,  
199, 208) }
```

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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