

Converting Colors

$Yxy(51.5613, 0.2579, 0.3181)$

Have a look what the booklet for
Yxy(51.5613, 0.2579, 0.3181)
contains.

Yxy(51.5613, 0.2579, 0.3181)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(51.5613, 0.2579, 0.3181)

Conversions

Conversions Part 1

Format	Color
Hex	81CAD2
RGB	129, 202, 210
RGB Percent	51%, 79%, 82%
CMY	0.4942, 0.2078, 0.1764
CMYK	0.39, 0.04, 0.00, 0.18
HSL	186°, 47%, 66%
HSV	186°, 39%, 82%
XYZ	41.8034, 51.5613, 68.7268
YIQ	181.0850, -46.0760, -12.9880

Conversions

Conversions Part 2

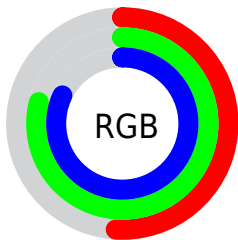
Format	Color
R _{YB}	129, 167, 210
Decimal	8506066
CIE Lab	77.02, -20.70, -11.19
CIE LCh	77, 23.525, 208.390
Yxy	51.5613, 0.2579, 0.3181
Android (android.graphics.Color)	4286696146 (0xFF81CAD2)
YUV	181.0850, 14.2551, -45.6785
Hunter-Lab	71.8062, -21.7436, -6.4830

Details

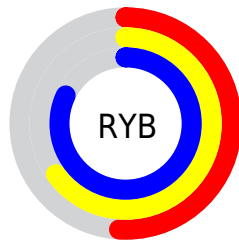
The Yxy color **51.5613, 0.2579, 0.3181** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.1694, 0.4040, 0.3394**, and the grayscale version is **46.1943, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0543, 0.2726, 0.3289**, and **25.0360, 0.2436, 0.3141** is the 20% darker color. If you saturate the color by 10%, you get **49.1183, 0.2465, 0.3149**, and if you desaturate by 10%, it is **54.3593, 0.2707, 0.3212**.

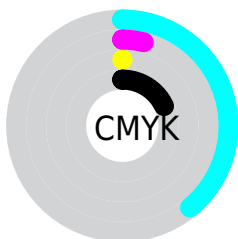
Distribution



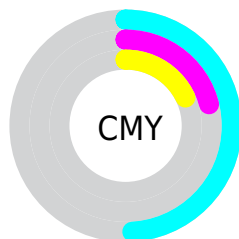
- Red (51%)
- Green (79%)
- Blue (82%)



- Red (51%)
- Yellow (65%)
- Blue (82%)



- Cyan (39%)
- Magenta (4%)
- Yellow (0%)
- Black (18%)





- Cyan (49%)
- Magenta (21%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.5613, 0.2579, 0.3181 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 51.5613, 0.2579, 0.3181 by changing the saturation by 10% instead.


 51.5613, 0.2579,
0.3181


 51.5613, 0.2579,
0.3181


392.7406, 0.2843,
0.3240


 36.6555, 0.2516,
0.3165


 92.4839, 0.2673,
0.3203

 24.9409, 0.2437,
0.3144


 119.2696, 0.2709,
0.3212

 16.0330, 0.2334,
0.3115


 150.7839, 0.2739,
0.3218

 9.5475, 0.2197,
0.3073

187.4114, 0.2766,
0.3224

 5.1000, 0.2004,
0.3007

229.5365, 0.2789,
0.3229

 2.3061, 0.1715,
0.2892

277.5434, 0.2809,

 0.7769, 0.0832,

0.3233

0.2773

331.8167, 0.2827,
0.3237

0.0000, 0.0000,
0.0000

51.5613, 0.2579,
0.3181

51.5613, 0.2579,
0.3181

49.1183, 0.2465,
0.3149

54.3593, 0.2707,
0.3212

47.0034, 0.2367,
0.3115

57.5254, 0.2847,
0.3241

45.1954, 0.2288,
0.3081

61.0794, 0.2995,
0.3268

43.6679, 0.2229,
0.3047

65.0377, 0.3149,
0.3293

42.3898, 0.2188,
0.3013

69.4159, 0.3305,
0.3316

■ 41.3134, 0.2163,
0.2979

■ 74.2287, 0.3462,
0.3336

■ 41.1680, 0.2160,
0.2974

■ 75.2927, 0.3458,
0.3357

■ 76.3652, 0.3455,
0.3378

■ 77.4511, 0.3451,
0.3399

Harmonies

Analogous

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



51.5613, 0.2764, 0.3486



51.5613, 0.2579, 0.3181



51.5613, 0.2534, 0.2928

Triad

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



51.5613, 0.2579, 0.3181



51.5613, 0.3180, 0.2890



51.5613, 0.3629, 0.3800

Complementary

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



51.5613, 0.2579, 0.3181



33.1694, 0.4040, 0.3394

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.



51.5613, 0.3757, 0.3609



51.5613, 0.2579, 0.3181



51.5613, 0.3491, 0.3096

Square

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



51.5613, 0.2579, 0.3181



51.5613, 0.2868, 0.2778



51.5613, 0.3707, 0.3354



51.5613, 0.3368, 0.3857

Rectangle

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



51.5613, 0.2579, 0.3181



51.5613, 0.2587, 0.2820



51.5613, 0.3707, 0.3354



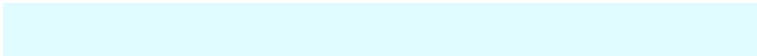
51.5613, 0.3690, 0.3748

Sweetspot

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



51.5633, 0.2579, 0.3181



92.7390, 0.2942, 0.3259



52.5319, 0.3032, 0.4361



19.6927, 0.2922, 0.3256



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.



51.5633, 0.2579, 0.3181



76.9507, 0.2487, 0.3155



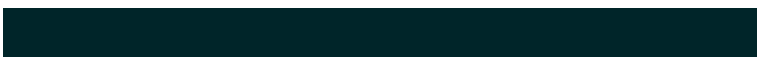
35.4186, 0.2495, 0.2620



13.1992, 0.2983, 0.3266



25.1928, 0.2161, 0.2979



1.4677, 0.2178, 0.3041

Inverse Universe

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



33.6597, 0.3250, 0.2426



45.8475, 0.3280, 0.2260



46.4327, 0.3848, 0.3875



11.9881, 0.3153, 0.3083



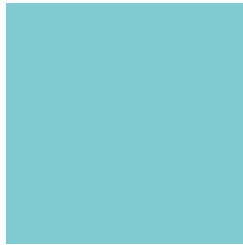
10.6145, 0.3472, 0.1687



0.5995, 0.3418, 0.1657

Previews

White Background



This preview shows how the Yxy color 51.5613, 0.2579, 0.3181 looks on a white background.

Color Contrast Check

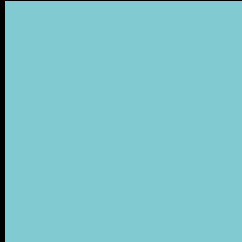
Large Text (above 18pt) WCAG AA × Fail

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 51.5613, 0.2579, 0.3181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

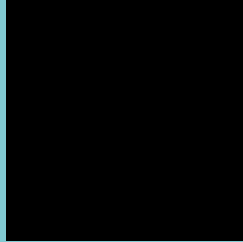
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.5613, 0.2579, 0.3181

Background



This preview shows how black text looks on a background with the Yxy color 51.5613, 0.2579, 0.3181.

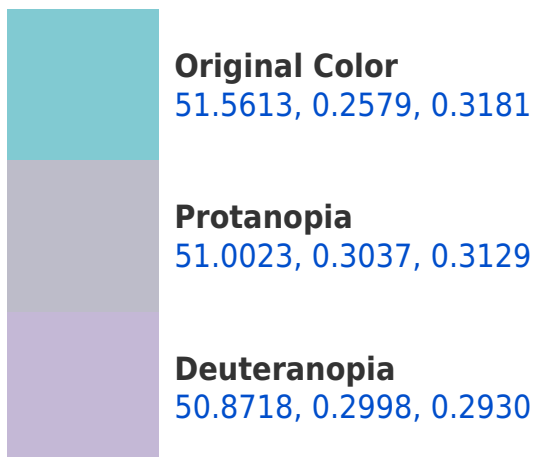


This preview shows how white text looks on a background with the Yxy color 51.5613, 0.2579, 0.3181.

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

51.6083, 0.2550, 0.3077

Trichromacy



Original Color

51.5613, 0.2579, 0.3181

Protanomaly

50.7151, 0.2849, 0.3148

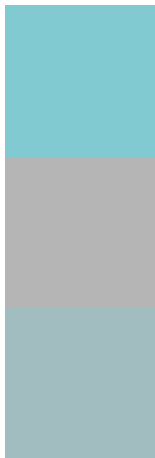
Deuteranomaly

50.8364, 0.2824, 0.3013

Tritanomaly

51.3742, 0.2561, 0.3115

Monochromacy



Original Color

51.5613, 0.2579, 0.3181

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

47.8823, 0.2892, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.5613, 0.2579, 0.3181 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(129, 202, 210)` looks like.

```
.text, #text, p{  
    color:rgb(129, 202, 210)  
}
```

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(129, 202, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 202, 210) }
```

Border

The CSS property to change the border of an element to Yxy 51.5613, 0.2579, 0.3181 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(129, 202, 210) }
```

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

```
.border{ border-color:rgb(129, 202, 210) }
```

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

Here you see how a box with a 4 pixel rgb(129, 202, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 202, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 202, 210);  
box-shadow:4px 4px 4px 4px rgb(129, 202,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 51.5613, 0.2579, 0.3181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 202, 210) }
```

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

```
.background{ background-color: rgb(129,  
202, 210) }
```

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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