

Converting Colors

$Yxy(51.8116, 0.2601, 0.3130)$

Have a look what the booklet for
Yxy(51.8116, 0.2601, 0.3130)
contains.

Yxy(51.8116, 0.2601, 0.3130)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(51.8116, 0.2601, 0.3130)

Conversions

Conversions Part 1

Format	Color
Hex	88C9D5
RGB	136, 201, 213
RGB Percent	53%, 79%, 84%
CMY	0.4664, 0.2118, 0.1648
CMYK	0.36, 0.06, 0.00, 0.16
HSL	189°, 48%, 68%
HSV	189°, 36%, 84%
XYZ	43.0549, 51.8116, 70.6657
YIQ	182.9330, -42.5920, -10.0480

Conversions

Conversions Part 2

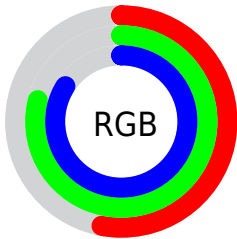
Format	Color
RYB	136, 171, 213
Decimal	8964565
CIELab	77.17, -17.59, -12.52
CIELCh	77, 21.590, 215.459
Yxy	51.8116, 0.2601, 0.3130
Android (android.graphics.Color)	4287154645 (0xFF88C9D5)
YUV	182.9330, 14.8230, -41.1602
Hunter-Lab	71.9803, -19.1959, -7.8210

Details

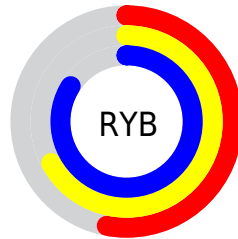
The Yxy color **51.8116, 0.2601, 0.3130** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.1158, 0.3939, 0.3442**, and the grayscale version is **47.2573, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.9465, 0.2762, 0.3289**, and **25.1299, 0.2469, 0.3089** is the 20% darker color. If you saturate the color by 10%, you get **48.6729, 0.2477, 0.3079**, and if you desaturate by 10%, it is **55.3421, 0.2737, 0.3179**.

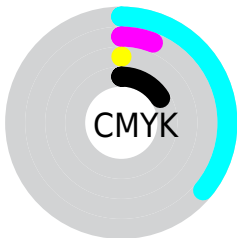
Distribution



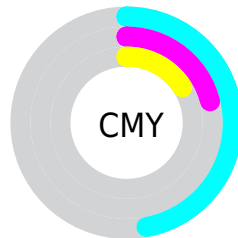
- Red (53%)
- Green (79%)
- Blue (84%)



- Red (53%)
- Yellow (67%)
- Blue (84%)



- Cyan (36%)
- Magenta (6%)
- Yellow (0%)
- Black (16%)





- Cyan (47%)
- Magenta (21%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.8116, 0.2601, 0.3130 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 51.8116, 0.2601, 0.3130 by changing the saturation by 10% instead.


 51.8116, 0.2601,
0.3130

 51.8116, 0.2601,
0.3130


393.7088, 0.2855,
0.3213

 36.8549, 0.2541,
0.3108


 92.8533, 0.2691,
0.3161

 25.0952, 0.2465,
0.3080


 119.7072, 0.2725,
0.3172

 16.1480, 0.2367,
0.3042


 151.2955, 0.2755,
0.3182

 9.6289, 0.2235,
0.2988

188.0028, 0.2780,
0.3190

 5.1536, 0.2050,
0.2905

230.2134, 0.2802,
0.3197

 2.3377, 0.1774,
0.2767

278.3116, 0.2822,

 0.7935, 0.1053,

0.3203

0.2573

332.6820, 0.2839,
0.3209

0.0000, 0.0000,
0.0000

51.8116, 0.2601,
0.3130

51.8116, 0.2601,
0.3130

48.6729, 0.2477,
0.3079

55.3421, 0.2737,
0.3179

45.8987, 0.2369,
0.3025

59.2779, 0.2882,
0.3224

43.4674, 0.2277,
0.2970

63.6392, 0.3033,
0.3266

41.3524, 0.2205,
0.2914

68.4429, 0.3187,
0.3304

39.5230, 0.2152,
0.2858

73.7051, 0.3342,
0.3339

■ 37.9405, 0.2117,
0.2803

■ 77.7237, 0.3430,
0.3371

■ 37.3648, 0.2106,
0.2782

■ 79.4920, 0.3424,
0.3404

■ 81.2951, 0.3419,
0.3437

■ 83.1331, 0.3413,
0.3470

Harmonies

Analogous

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



51.8116, 0.2744, 0.3405



51.8116, 0.2601, 0.3130



51.8116, 0.2592, 0.2918

Triad

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



51.8116, 0.2601, 0.3130



51.8116, 0.3247, 0.2960



51.8116, 0.3540, 0.3783

Complementary

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



51.8116, 0.2601, 0.3130



37.1158, 0.3939, 0.3442

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.



51.8116, 0.3690, 0.3634



51.8116, 0.2601, 0.3130



51.8116, 0.3518, 0.3166

Square

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



51.8116, 0.2601, 0.3130



51.8116, 0.2953, 0.2833



51.8116, 0.3684, 0.3408



51.8116, 0.3282, 0.3798

Rectangle

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



51.8116, 0.2601, 0.3130



51.8116, 0.2661, 0.2836



51.8116, 0.3684, 0.3408



51.8116, 0.3606, 0.3746

Sweetspot

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



51.8136, 0.2601, 0.3130



92.3065, 0.2957, 0.3246



54.9418, 0.3007, 0.4207



19.5665, 0.2936, 0.3240



0.0000, 0.0000, 0.0000



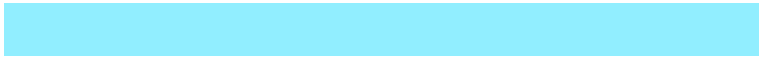
21.4041, 0.3127, 0.3290

Same Dimension

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



51.8136, 0.2601, 0.3130



74.3737, 0.2509, 0.3093



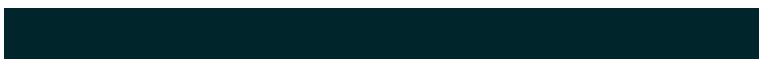
36.2308, 0.2527, 0.2596



13.7630, 0.2983, 0.3253



22.9526, 0.2108, 0.2790



1.4752, 0.2135, 0.2885

Inverse Universe

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



35.9857, 0.3283, 0.2525



47.7862, 0.3323, 0.2376



51.0638, 0.3773, 0.3896



12.5979, 0.3161, 0.3095



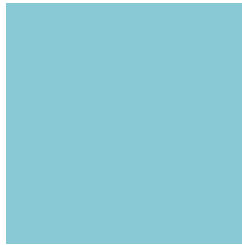
10.6619, 0.3644, 0.1781



0.6522, 0.3557, 0.1733

Previews

White Background



This preview shows how the Yxy color 51.8116, 0.2601, 0.3130 looks on a white background.

Color Contrast Check

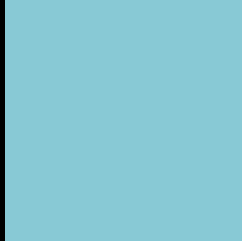
Large Text (above 18pt) WCAG AA × Fail

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 51.8116, 0.2601, 0.3130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

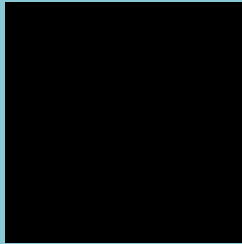
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.8116, 0.2601, 0.3130

Background



This preview shows how black text looks on a background with the Yxy color 51.8116, 0.2601, 0.3130.

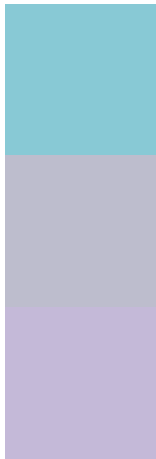


This preview shows how white text looks on a background with the Yxy color 51.8116, 0.2601, 0.3130.

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

51.8116, 0.2601, 0.3130

Protanopia

51.6218, 0.3008, 0.3093

Deuteranopia

51.3916, 0.2983, 0.2920



Tritanopia

51.6367, 0.2582, 0.3065

Trichromacy



Original Color

51.8116, 0.2601, 0.3130

Protanomaly

51.2400, 0.2844, 0.3099

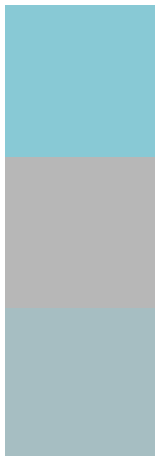
Deuteranomaly

51.1666, 0.2825, 0.2990

Tritanomaly

51.5848, 0.2588, 0.3078

Monochromacy



Original Color

51.8116, 0.2601, 0.3130

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

48.8289, 0.2909, 0.3237

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.8116, 0.2601, 0.3130 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(136, 201, 213)` looks like.

```
.text, #text, p{  
    color:rgb(136, 201, 213)  
}
```

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(136, 201, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 201, 213) }
```

Border

The CSS property to change the border of an element to Yxy 51.8116, 0.2601, 0.3130 is called "border". The border property can be set on classes, ids or directly on the HTML element.

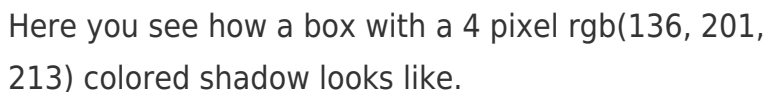
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(136, 201, 213) }
```

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

```
.border{ border-color:rgb(136, 201, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(136, 201, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(136, 201, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(136, 201, 213); box-shadow:4px 4px 4px 4px rgb(136, 201, 213) }
```


Background

The CSS property to change the background color of an element to Yxy 51.8116, 0.2601, 0.3130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 201, 213) }
```

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

```
.background{ background-color: rgb(136,  
201, 213) }
```

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