

Converting Colors

Yxy(51.9594, 0.2643, 0.3038)

Have a look what the booklet for
Yxy(51.9594, 0.2643, 0.3038)
contains.

Yxy(51.7460, 0.2639, 0.3031)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(51.7460, 0.2639, 0.3031)

Conversions

Conversions Part 1

Format	Color
Hex	94C6DA
RGB	148, 198, 218
RGB Percent	58%, 78%, 85%
CMY	0.4197, 0.2235, 0.1452
CMYK	0.32, 0.09, 0.00, 0.15
HSL	197°, 49%, 72%
HSV	197°, 32%, 85%
XYZ	45.0537, 51.7460, 73.9229
YIQ	185.3300, -36.2200, -4.3800

Conversions

Conversions Part 2

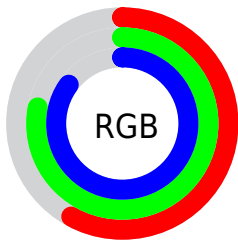
Format	Color
RYB	148, 177, 218
Decimal	9750234
CIELab	77.13, -11.56, -15.21
CIElCh	77, 19.109, 232.760
Yxy	51.7460, 0.2639, 0.3031
Android (android.graphics.Color)	4287940314 (0xFF94C6DA)
YUV	185.3300, 16.1063, -32.7384
Hunter-Lab	71.9347, -14.0887, -10.5744

Details

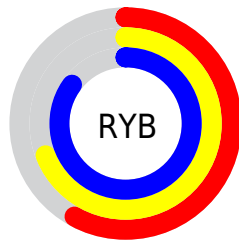
The Yxy color **51.7460, 0.2639, 0.3031** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.0152, 0.3786, 0.3533**, and the grayscale version is **48.6294, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5774, 0.2827, 0.3289**, and **25.0238, 0.2516, 0.2955** is the 20% darker color. If you saturate the color by 10%, you get **47.1207, 0.2498, 0.2936**, and if you desaturate by 10%, it is **56.8746, 0.2788, 0.3120**.

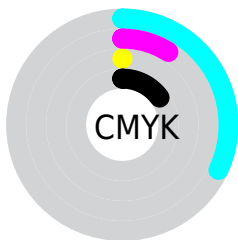
Distribution



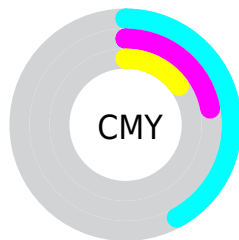
- Red (58%)
- Green (78%)
- Blue (85%)



- Red (58%)
- Yellow (69%)
- Blue (85%)



- Cyan (32%)
- Magenta (9%)
- Yellow (0%)
- Black (15%)



- Cyan (42%)
- Magenta (22%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.7460, 0.2639, 0.3031 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 51.7460, 0.2639, 0.3031 by changing the saturation by 10% instead.

■ 51.7460, 0.2639,
0.3031

■ 51.7460, 0.2639,
0.3031

■ 393.4552, 0.2875,
0.3161

■ 36.8027, 0.2583,
0.2998

■ 92.7565, 0.2723,
0.3078

■ 25.0547, 0.2512,
0.2957

■ 119.5925, 0.2755,
0.3096

■ 16.1178, 0.2421,
0.2901

■ 151.1615, 0.2782,
0.3111

■ 9.6076, 0.2298,
0.2825

■ 187.8479, 0.2806,
0.3124

■ 5.1396, 0.2126,
0.2712

■ 230.0360, 0.2826,
0.3135

■ 2.3294, 0.1868,
0.2532

■ 278.1104, 0.2844,

■ 0.7892, 0.1324,

0.3145

0.2234

332.4553, 0.2860,
0.3154

0.0000, 0.0000,
0.0000

51.7460, 0.2639,
0.3031

51.7460, 0.2639,
0.3031

47.1207, 0.2498,
0.2936

56.8746, 0.2788,
0.3120

42.9697, 0.2367,
0.2835

62.5217, 0.2941,
0.3201

39.2700, 0.2251,
0.2730

68.7090, 0.3095,
0.3275

35.9935, 0.2152,
0.2623

75.4552, 0.3247,
0.3342

33.1086, 0.2073,
0.2515

82.4058, 0.3382,
0.3402

■ 30.5770, 0.2014,
0.2407

■ 85.9082, 0.3373,
0.3463

■ 28.7811, 0.1979,
0.2324

■ 89.5349, 0.3364,
0.3523

■ 93.2872, 0.3356,
0.3583

■ 97.1663, 0.3347,
0.3641

Harmonies

Analogous

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



51.7460, 0.2700, 0.3250



51.7460, 0.2639, 0.3031



51.7460, 0.2702, 0.2894

Triad

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



51.7460, 0.2639, 0.3031



51.7460, 0.3379, 0.3096



51.7460, 0.3370, 0.3749

Complementary

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



51.7460, 0.2639, 0.3031



45.0152, 0.3786, 0.3533

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.



51.7460, 0.3565, 0.3684



51.7460, 0.2639, 0.3031



51.7460, 0.3573, 0.3304

Square

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



51.7460, 0.2639, 0.3031



51.7460, 0.3122, 0.2938



51.7460, 0.3641, 0.3518



51.7460, 0.3116, 0.3681

Rectangle

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



51.7460, 0.2639, 0.3031



51.7460, 0.2807, 0.2862



51.7460, 0.3641, 0.3518



51.7460, 0.3445, 0.3741

Sweetspot

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



51.7480, 0.2639, 0.3031



90.9295, 0.2972, 0.3217



59.2407, 0.2962, 0.3960



19.2035, 0.2950, 0.3206



0.0000, 0.0000, 0.0000



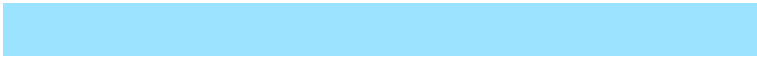
21.4041, 0.3127, 0.3290

Same Dimension

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



51.7480, 0.2639, 0.3031



68.9892, 0.2536, 0.2963



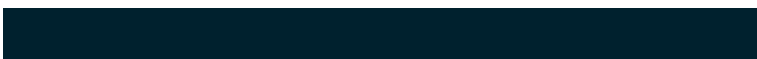
37.5953, 0.2581, 0.2555



14.1695, 0.2982, 0.3222



17.4396, 0.1983, 0.2339



1.2739, 0.2031, 0.2513

Inverse Universe

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



40.1482, 0.3348, 0.2705



50.4128, 0.3413, 0.2573



59.6575, 0.3660, 0.3930



13.2082, 0.3181, 0.3124



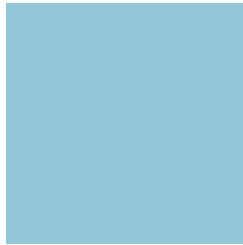
10.3843, 0.4085, 0.2024



0.6873, 0.3910, 0.1927

Previews

White Background



This preview shows how the Yxy color 51.7460, 0.2639, 0.3031 looks on a white background.

Color Contrast Check

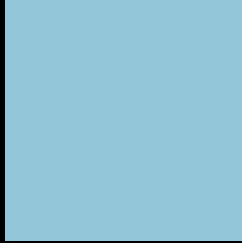
Large Text (above 18pt) WCAG AA × Fail

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 51.7460, 0.2639, 0.3031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

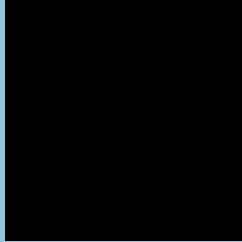
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.7460, 0.2639, 0.3031

Background



This preview shows how black text looks on a background with the Yxy color 51.7460, 0.2639, 0.3031.



This preview shows how white text looks on a background with the Yxy color 51.7460, 0.2639, 0.3031.

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

51.7460, 0.2639, 0.3031

Protanopia

51.2847, 0.2942, 0.2996

Deuteranopia

51.3877, 0.2932, 0.2861



Tritanopia

51.9562, 0.2652, 0.3081

Trichromacy



Original Color

51.7460, 0.2639, 0.3031

Protanomaly

51.4385, 0.2825, 0.3014

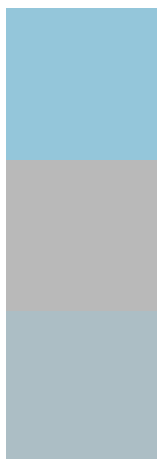
Deuteranomaly

51.3413, 0.2813, 0.2920

Tritanomaly

52.0078, 0.2646, 0.3068

Monochromacy



Original Color

51.7460, 0.2639, 0.3031

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

49.6288, 0.2933, 0.3199

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.7460, 0.2639, 0.3031 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(148, 198, 218)` looks like.

```
.text, #text, p{  
    color:rgb(148, 198, 218)  
}
```

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(148, 198, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 198, 218) }
```

Border

The CSS property to change the border of an element to Yxy 51.7460, 0.2639, 0.3031 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(148, 198, 218) }
```

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

```
.border{ border-color:rgb(148, 198, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 198, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 198, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 198, 218);  
box-shadow:4px 4px 4px 4px rgb(148, 198,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 51.7460, 0.2639, 0.3031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 198, 218) }
```

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

```
.background{ background-color: rgb(148,  
198, 218) }
```

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