

Converting Colors

$Y_{xy}(51.4040, 0.2608, 0.2873)$

Have a look what the booklet for
Yxy(51.4040, 0.2608, 0.2873)
contains.

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Color

Yxy(51.4040, 0.2608, 0.2873)

Conversions

Conversions Part 1

Format	Color
Hex	99C3E4
RGB	153, 195, 228
RGB Percent	60%, 76%, 89%
CMY	0.3998, 0.2353, 0.1059
CMYK	0.33, 0.14, 0.00, 0.11
HSL	206°, 58%, 75%
HSV	206°, 33%, 89%
XYZ	46.6626, 51.4040, 80.8544
YIQ	186.2040, -35.6250, 1.3590

Conversions

Conversions Part 2

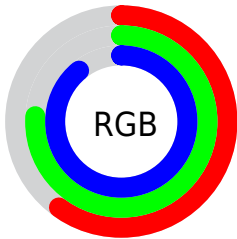
Format	Color
R _Y B	153, 180, 228
Decimal	10077156
CIE Lab	76.92, -6.09, -20.90
CIE LCh	77, 21.768, 253.750
Yxy	51.4040, 0.2608, 0.2873
Android (android.graphics.Color)	4288267236 (0xFF99C3E4)
YUV	186.2040, 20.6054, -29.1199
Hunter-Lab	71.6966, -9.2951, -16.6755

Details

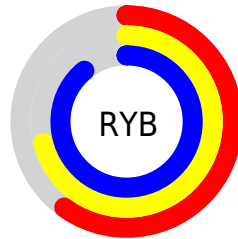
The Yxy color **51.4040, 0.2608, 0.2873** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **53.9377, 0.3765, 0.3671**, and the grayscale version is **49.1274, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3961, 0.2853, 0.3258**, and **24.7195, 0.2466, 0.2745** is the 20% darker color. If you saturate the color by 10%, you get **45.0453, 0.2451, 0.2720**, and if you desaturate by 10%, it is **58.4933, 0.2768, 0.3014**.

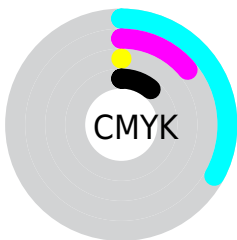
Distribution



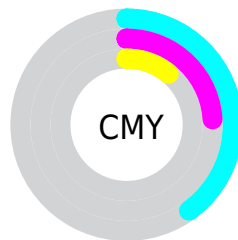
- Red (60%)
- Green (76%)
- Blue (89%)



- Red (60%)
- Yellow (71%)
- Blue (89%)



- Cyan (33%)
- Magenta (14%)
- Yellow (0%)
- Black (11%)



- Cyan (40%)
- Magenta (24%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.4040, 0.2608, 0.2873 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 51.4040, 0.2608, 0.2873 by changing the saturation by 10% instead.

■ 51.4040, 0.2608,
0.2873

■ 51.4040, 0.2608,
0.2873

■ 392.1314, 0.2859,
0.3078

■ 36.5302, 0.2548,
0.2823

■ 92.2517, 0.2697,
0.2947

■ 24.8440, 0.2474,
0.2760

■ 118.9944, 0.2731,
0.2975

■ 15.9609, 0.2377,
0.2677

■ 150.4622, 0.2760,
0.2998

■ 9.4965, 0.2248,
0.2566

■ 187.0394, 0.2785,
0.3019

■ 5.0664, 0.2068,
0.2406

■ 229.1106, 0.2807,
0.3037

■ 2.2863, 0.1803,
0.2164

■ 277.0601, 0.2826,

■ 0.7664, 0.1333,

0.3052

0.1763

331.2722, 0.2843,
0.3066

0.0000, 0.0000,
0.0000

51.4040, 0.2608,
0.2873

51.4040, 0.2608,
0.2873

45.0453, 0.2451,
0.2720

58.4933, 0.2768,
0.3014

39.3809, 0.2302,
0.2558

66.3350, 0.2927,
0.3143

34.3801, 0.2164,
0.2389

74.9575, 0.3083,
0.3259

30.0068, 0.2044,
0.2216

84.3857, 0.3234,
0.3363

26.2200, 0.1944,
0.2044

92.2843, 0.3297,
0.3459

■ 22.9713, 0.1866,
0.1876

■ 98.3810, 0.3286,
0.3552

■ 20.9312, 0.1822,
0.1761

Harmonies

Analogous

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



51.4040, 0.2579, 0.3060



51.4040, 0.2608, 0.2873



51.4040, 0.2769, 0.2803

Triad

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



51.4040, 0.2608, 0.2873



51.4040, 0.3583, 0.3230



51.4040, 0.3202, 0.3779

Complementary

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



51.4040, 0.2608, 0.2873



53.9377, 0.3765, 0.3671

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.



51.4040, 0.3481, 0.3808



51.4040, 0.2608, 0.2873



51.4040, 0.3709, 0.3476

Square

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



51.4040, 0.2608, 0.2873



51.4040, 0.3330, 0.3008



51.4040, 0.3669, 0.3689



51.4040, 0.2913, 0.3599

Rectangle

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



51.4040, 0.2608, 0.2873



51.4040, 0.2935, 0.2825



51.4040, 0.3669, 0.3689



51.4040, 0.3300, 0.3807

Sweetspot

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



51.4060, 0.2608, 0.2873



88.5234, 0.2972, 0.3177



65.7857, 0.2894, 0.3830



18.6202, 0.2949, 0.3160



0.0000, 0.0000, 0.0000



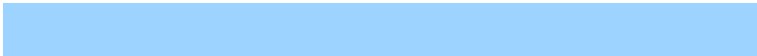
21.4041, 0.3127, 0.3290

Same Dimension

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



51.4060, 0.2608, 0.2873



60.9324, 0.2507, 0.2777



36.8521, 0.2547, 0.2383



15.2184, 0.2981, 0.3184



12.3276, 0.1829, 0.1785



1.0954, 0.1896, 0.2025

Inverse Universe

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



43.2348, 0.3465, 0.2814



49.5995, 0.3556, 0.2720



71.5679, 0.3638, 0.4059



14.5024, 0.3205, 0.3159



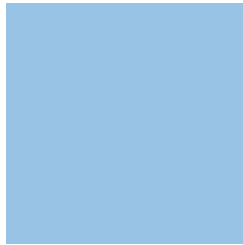
10.4422, 0.4703, 0.2365



0.7903, 0.4425, 0.2211

Previews

White Background



This preview shows how the Yxy color 51.4040, 0.2608, 0.2873 looks on a white background.

Color Contrast Check

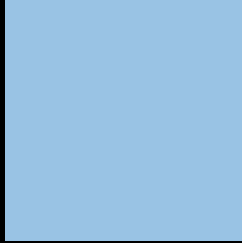
Large Text (above 18pt) WCAG AA × Fail

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 51.4040, 0.2608, 0.2873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

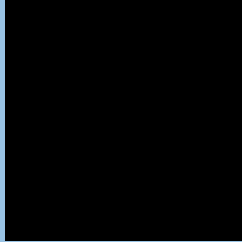
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.4040, 0.2608, 0.2873

Background



This preview shows how black text looks on a background with the Yxy color 51.4040, 0.2608, 0.2873.



This preview shows how white text looks on a background with the Yxy color 51.4040, 0.2608, 0.2873.

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

51.4040, 0.2608, 0.2873

Protanopia

51.2392, 0.2829, 0.2865

Deuteranopia

50.9759, 0.2817, 0.2755



Tritanopia

51.2206, 0.2680, 0.3081

Trichromacy



Original Color

51.4040, 0.2608, 0.2873

Protanomaly

51.3558, 0.2739, 0.2870

Deuteranomaly

51.1663, 0.2740, 0.2803

Tritanomaly

51.1211, 0.2655, 0.3005

Monochromacy



Original Color

51.4040, 0.2608, 0.2873

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.6109, 0.2920, 0.3136

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4040, 0.2608, 0.2873 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(153, 195, 228)` looks like.

```
.text, #text, p{  
    color:rgb(153, 195, 228)  
}
```

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(153, 195, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 195, 228) }
```

Border

The CSS property to change the border of an element to Yxy 51.4040, 0.2608, 0.2873 is called "border". The border property can be set on classes, ids or directly on the HTML element.

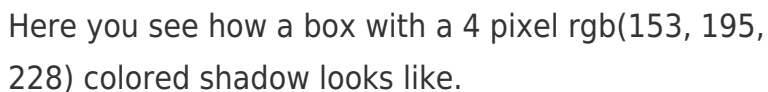
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(153, 195, 228) }
```

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

```
.border{ border-color:rgb(153, 195, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(153, 195, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 195, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 195, 228); box-shadow:4px 4px 4px 4px rgb(153, 195, 228) }
```


Background

The CSS property to change the background color of an element to Yxy 51.4040, 0.2608, 0.2873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 195, 228) }
```

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

```
.background{ background-color: rgb(153,  
195, 228) }
```

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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