

Converting Colors

$Y_{xy}(52.0815, 0.2406, 0.2743)$

Have a look what the booklet for
Yxy(52.0815, 0.2406, 0.2743)
contains.

Yxy(51.9850, 0.2402, 0.2735)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(51.9850, 0.2402, 0.2735)

Conversions

Conversions Part 1

Format	Color
Hex	81C7F3
RGB	129, 199, 243
RGB Percent	51%, 78%, 95%
CMY	0.4941, 0.2196, 0.0470
CMYK	0.47, 0.18, 0.00, 0.05
HSL	203°, 83%, 73%
HSV	203°, 47%, 95%
XYZ	45.6556, 51.9850, 92.4326
YIQ	183.0860, -55.8440, -1.1560

Conversions

Conversions Part 2

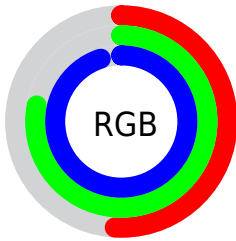
Format	Color
R _Y B	129, 172, 243
Decimal	8505331
CIE Lab	77.27, -10.45, -28.56
CIE LCh	77, 30.412, 249.897
Yxy	51.9850, 0.2402, 0.2735
Android (android.graphics.Color)	4286695411 (0xFF81C7F3)
YUV	183.0860, 29.5376, -47.4334
Hunter-Lab	72.1006, -13.1463, -25.5390

Details

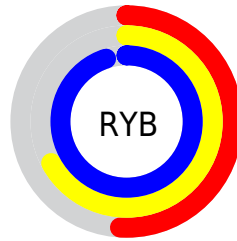
The Yxy color **51.9850, 0.2402, 0.2735** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **50.5350, 0.4170, 0.3772**, and the grayscale version is **47.2628, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3048, 0.2736, 0.3289**, and **25.1782, 0.2223, 0.2580** is the 20% darker color. If you saturate the color by 10%, you get **46.1199, 0.2264, 0.2591**, and if you desaturate by 10%, it is **58.5726, 0.2551, 0.2872**.

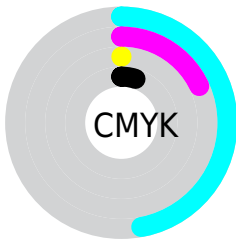
Distribution



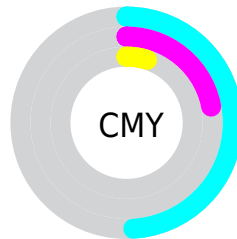
- Red (51%)
- Green (78%)
- Blue (95%)



- Red (51%)
- Yellow (67%)
- Blue (95%)



- Cyan (47%)
- Magenta (18%)
- Yellow (0%)
- Black (5%)



- Cyan (49%)
- Magenta (22%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.9850, 0.2402, 0.2735 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 51.9850, 0.2402, 0.2735 by changing the saturation by 10% instead.

■ 51.9850, 0.2402,
0.2735

■ 51.9850, 0.2402,
0.2735

■ 394.3787, 0.2747,
0.3008

■ 36.9931, 0.2322,
0.2669

■ 93.1091, 0.2523,
0.2832

■ 25.2022, 0.2222,
0.2587

■ 120.0101, 0.2570,
0.2870

■ 16.2277, 0.2096,
0.2480

■ 151.6497, 0.2610,
0.2901

■ 9.6854, 0.1931,
0.2337

■ 188.4121, 0.2644,
0.2928

■ 5.1909, 0.1709,
0.2137

■ 230.6818, 0.2675,
0.2952

■ 2.3597, 0.1398,
0.1846

■ 278.8432, 0.2702,

■ 0.8050, 0.0891,

0.2973

0.1406

333.2807, 0.2725,
0.2991

0.0000, 0.0000,
0.0000

51.9850, 0.2402,
0.2735

51.9850, 0.2402,
0.2735

46.1199, 0.2264,
0.2591

58.5726, 0.2551,
0.2872

40.9342, 0.2141,
0.2442

65.9109, 0.2706,
0.2999

36.3879, 0.2036,
0.2290

74.0332, 0.2863,
0.3116

32.4327, 0.1953,
0.2140

82.9689, 0.3020,
0.3223

29.0080, 0.1891,
0.1994

92.7456, 0.3174,
0.3318

■ 28.0312, 0.1875,
0.1950

■ 99.2520, 0.3197,
0.3405

Harmonies

Analogous

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



51.9850, 0.2386, 0.3003



51.9850, 0.2402, 0.2735



51.9850, 0.2596, 0.2628

Triad

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



51.9850, 0.2402, 0.2735



51.9850, 0.3725, 0.3159



51.9850, 0.3276, 0.4002

Complementary

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



51.9850, 0.2402, 0.2735



50.5350, 0.4170, 0.3772

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.



51.9850, 0.3655, 0.3999



51.9850, 0.2402, 0.2735



51.9850, 0.3930, 0.3491

Square

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



51.9850, 0.2402, 0.2735



51.9850, 0.3353, 0.2871



51.9850, 0.3900, 0.3799



51.9850, 0.2873, 0.3771

Rectangle

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



51.9850, 0.2402, 0.2735



51.9850, 0.2810, 0.2646



51.9850, 0.3900, 0.3799



51.9850, 0.3411, 0.4027

Sweetspot

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



51.9870, 0.2402, 0.2735



85.3668, 0.2909, 0.3148



71.7831, 0.2842, 0.4196



17.8241, 0.2875, 0.3124



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.



51.9870, 0.2402, 0.2735



51.9283, 0.2274, 0.2602



30.5755, 0.2264, 0.1980



17.6208, 0.2980, 0.3196



15.6517, 0.1881, 0.1972



1.5745, 0.1932, 0.2155

Inverse Universe

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



38.8819, 0.3612, 0.2547



37.0568, 0.3751, 0.2419



77.0765, 0.3880, 0.4325



16.6535, 0.3197, 0.3146



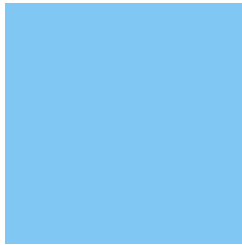
11.6794, 0.4484, 0.2244



1.0466, 0.4281, 0.2132

Previews

White Background



This preview shows how the Yxy color 51.9850, 0.2402, 0.2735 looks on a white background.

Color Contrast Check

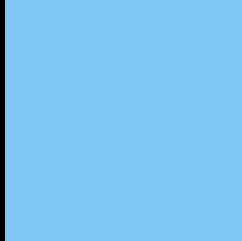
Large Text (above 18pt) WCAG AA × Fail

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 51.9850, 0.2402, 0.2735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

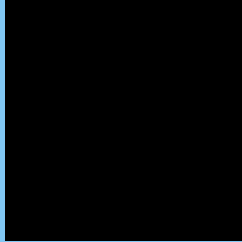
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

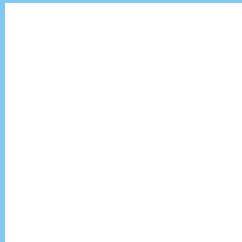
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.9850, 0.2402, 0.2735

Background



This preview shows how black text looks on a background with the Yxy color 51.9850, 0.2402, 0.2735.



This preview shows how white text looks on a background with the Yxy color 51.9850, 0.2402, 0.2735.

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

51.9850, 0.2402, 0.2735

Protanopia

51.5483, 0.2729, 0.2728

Deuteranopia

51.7782, 0.2661, 0.2600



Tritanopia

51.9639, 0.2496, 0.3076

Trichromacy



Original Color

51.9850, 0.2402, 0.2735

Protanomaly

51.4494, 0.2596, 0.2727

Deuteranomaly

51.4312, 0.2555, 0.2638

Tritanomaly

52.2025, 0.2463, 0.2950

Monochromacy



Original Color

51.9850, 0.2402, 0.2735

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

48.5895, 0.2810, 0.3081

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.9850, 0.2402, 0.2735 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, 199, 243)` looks like.

```
.text, #text, p{  
    color:rgb(129, 199, 243)  
}
```

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, 199, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 199, 243) }
```

Border

The CSS property to change the border of an element to Yxy 51.9850, 0.2402, 0.2735 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, 199, 243) }
```

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

```
.border{ border-color:rgb(129, 199, 243) }
```

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

Here you see how a box with a 4 pixel rgb(129, 199, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 199, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 199, 243);  
box-shadow:4px 4px 4px 4px rgb(129, 199,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 51.9850, 0.2402, 0.2735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 199, 243) }
```

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

```
.background{ background-color: rgb(129,  
199, 243) }
```

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