

Converting Colors

$Yxy(52.6537, 0.2311, 0.2290)$

Have a look what the booklet for
Yxy(52.6537, 0.2311, 0.2290)
contains.

Yxy(51.1223, 0.2423, 0.2531)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(51.1223, 0.2423, 0.2531)

Conversions

Conversions Part 1

Format	Color
Hex	93C0FF
RGB	147, 192, 255
RGB Percent	58%, 75%, 100%
CMY	0.4234, 0.2471, 0.0000
CMYK	0.42, 0.25, 0.00, 0.00
HSL	215°, 100%, 79%
HSV	215°, 42%, 100%
XYZ	48.9409, 51.1223, 101.9214
YIQ	185.7270, -47.0430, 10.0530

Conversions

Conversions Part 2

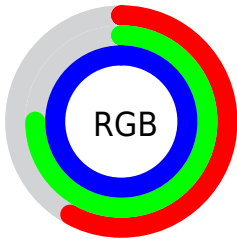
Format	Color
RYB	147, 179, 255
Decimal	9683199
CIELab	76.75, 0.96, -35.72
CIELCh	77, 35.737, 271.538
Yxy	51.1223, 0.2423, 0.2531
Android (android.graphics.Color)	4287873279 (0xFF93C0FF)
YUV	185.7270, 34.1516, -33.9636
Hunter-Lab	71.4999, -2.9435, -34.4666

Details

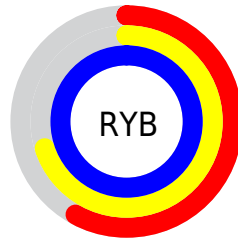
The Yxy color **51.1223, 0.2423, 0.2531** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **69.4852, 0.3943, 0.3939**, and the grayscale version is **48.7710, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1922, 0.2822, 0.3216**, and **24.7666, 0.2251, 0.2348** is the 20% darker color. If you saturate the color by 10%, you get **42.8113, 0.2254, 0.2311**, and if you desaturate by 10%, it is **60.6165, 0.2596, 0.2738**.

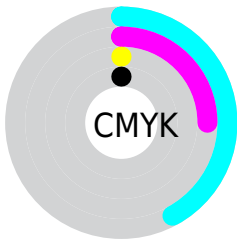
Distribution



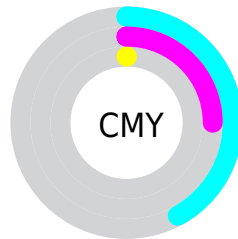
- Red (58%)
- Green (75%)
- Blue (100%)



- Red (58%)
- Yellow (70%)
- Blue (100%)



- Cyan (42%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (42%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.1223, 0.2423, 0.2531 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 51.1223, 0.2423, 0.2531 by changing the saturation by 10% instead.

■ 51.1223, 0.2423,
0.2531

■ 51.1223, 0.2423,
0.2531

■ 391.0388, 0.2760,
0.2893

■ 36.3059, 0.2345,
0.2447

■ 91.8355, 0.2541,
0.2658

■ 24.6706, 0.2247,
0.2343

■ 118.5012, 0.2587,
0.2707

■ 15.8318, 0.2124,
0.2211

■ 149.8854, 0.2626,
0.2749

■ 9.4052, 0.1963,
0.2039

■ 186.3726, 0.2660,
0.2786

■ 5.0064, 0.1746,
0.1809

■ 228.3471, 0.2690,
0.2817

■ 2.2510, 0.1446,
0.1491

■ 276.1934, 0.2716,

■ 0.7476, 0.1018,

0.2846

0.1036

330.2958, 0.2739,
0.2871

0.0000, 0.0000,
0.0000

51.1223, 0.2423,
0.2531

51.1223, 0.2423,
0.2531

42.8113, 0.2254,
0.2311

60.6165, 0.2596,
0.2738

35.6294, 0.2095,
0.2083

71.3445, 0.2767,
0.2929

29.5167, 0.1953,
0.1853

83.3535, 0.2933,
0.3102

24.4066, 0.1833,
0.1630

96.6879, 0.3092,
0.3256

20.2217, 0.1741,
0.1422

100.0000, 0.3127,
0.3290

■ 17.5640, 0.1688,
0.1277

Harmonies

Analogous

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



51.1223, 0.2255, 0.2703



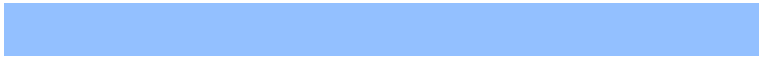
51.1223, 0.2423, 0.2531



51.1223, 0.2776, 0.2546

Triad

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



51.1223, 0.2423, 0.2531



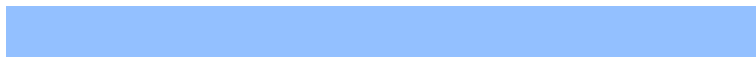
51.1223, 0.4037, 0.3408



51.1223, 0.2950, 0.3968

Complementary

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



51.1223, 0.2423, 0.2531



69.4852, 0.3943, 0.3939

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.



51.1223, 0.3429, 0.4165



51.1223, 0.2423, 0.2531



51.1223, 0.4077, 0.3785

Square

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



51.1223, 0.2423, 0.2531



51.1223, 0.3726, 0.3032



51.1223, 0.3846, 0.4076



51.1223, 0.2540, 0.3538

Rectangle

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



51.1223, 0.2423, 0.2531



51.1223, 0.3086, 0.2650



51.1223, 0.3846, 0.4076



51.1223, 0.3108, 0.4066

Sweetspot

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



51.1222, 0.2423, 0.2531



82.5170, 0.2923, 0.3091



82.3807, 0.2757, 0.3822



17.0747, 0.2886, 0.3054



0.0000, 0.0000, 0.0000



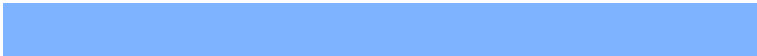
21.4041, 0.3127, 0.3290

Same Dimension

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



51.1222, 0.2423, 0.2531



43.8560, 0.2276, 0.2341



35.1715, 0.2391, 0.1992



18.6204, 0.2979, 0.3147



9.4560, 0.1697, 0.1307



1.1304, 0.1758, 0.1529

Inverse Universe

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



45.9453, 0.3762, 0.2825



39.1732, 0.3962, 0.2736



93.2213, 0.3698, 0.4362



18.1125, 0.3229, 0.3191



11.6825, 0.5317, 0.2703



1.1587, 0.5022, 0.2540

Previews

White Background



This preview shows how the Yxy color 51.1223, 0.2423, 0.2531 looks on a white background.

Color Contrast Check

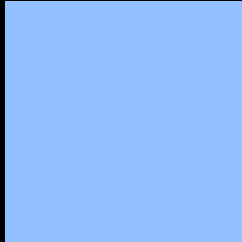
Large Text (above 18pt) WCAG AA × Fail

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 51.1223, 0.2423, 0.2531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

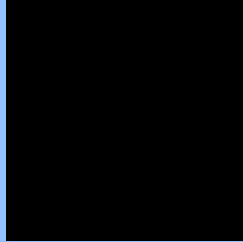
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

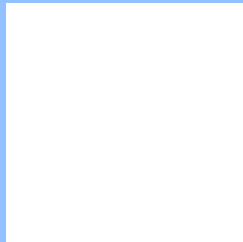
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.1223, 0.2423, 0.2531

Background



This preview shows how black text looks on a background with the Yxy color 51.1223, 0.2423, 0.2531.



This preview shows how white text looks on a background with the Yxy color 51.1223, 0.2423, 0.2531.

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

51.1223, 0.2423, 0.2531

Protanopia

50.7408, 0.2577, 0.2526

Deuteranopia

50.8839, 0.2549, 0.2485



Tritanopia

50.9874, 0.2585, 0.3077

Trichromacy



Original Color

51.1223, 0.2423, 0.2531

Protanomaly

50.6761, 0.2518, 0.2529

Deuteranomaly

50.8678, 0.2502, 0.2499

Tritanomaly

50.7685, 0.2520, 0.2854

Monochromacy



Original Color

51.1223, 0.2423, 0.2531

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.4402, 0.2835, 0.2998

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.1223, 0.2423, 0.2531 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(147, 192, 255)` looks like.

```
.text, #text, p{  
    color:rgb(147, 192, 255)  
}
```

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(147, 192, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 192, 255) }
```

Border

The CSS property to change the border of an element to Yxy 51.1223, 0.2423, 0.2531 is called "border". The border property can be set on classes, ids or directly on the HTML element.

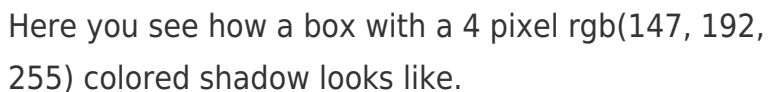
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(147, 192, 255) }
```

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

```
.border{ border-color:rgb(147, 192, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(147, 192, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(147, 192, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(147, 192, 255); box-shadow:4px 4px 4px 4px rgb(147, 192, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 51.1223, 0.2423, 0.2531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 192, 255) }
```

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

```
.background{ background-color: rgb(147,  
192, 255) }
```

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