

Converting Colors

$Yxy(51.4490, 0.2416, 0.2614)$

Have a look what the booklet for
Yxy(51.4490, 0.2416, 0.2614)
contains.

Yxy(51.5078, 0.2416, 0.2615)	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(51.5078, 0.2416, 0.2615)

Conversions

Conversions Part 1

Format	Color
Hex	8CC3FA
RGB	140, 195, 250
RGB Percent	55%, 76%, 98%
CMY	0.4509, 0.2353, 0.0196
CMYK	0.44, 0.22, 0.00, 0.02
HSL	210°, 92%, 76%
HSV	210°, 44%, 98%
XYZ	47.5881, 51.5078, 97.8747
YIQ	184.8250, -50.4350, 5.4450

Conversions

Conversions Part 2

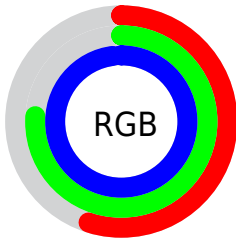
Format	Color
RYB	140, 177, 250
Decimal	9225210
CIELab	76.99, -3.77, -32.70
CIElCh	77, 32.916, 263.423
Yxy	51.5078, 0.2416, 0.2615
Android (android.graphics.Color)	4287415290 (0xFF8CC3FA)
YUV	184.8250, 32.1313, -39.3115
Hunter-Lab	71.7689, -7.2370, -30.6183

Details

The Yxy color **51.5078, 0.2416, 0.2615** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **61.2600, 0.4025, 0.3872**, and the grayscale version is **48.2565, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0847, 0.2786, 0.3247**, and **25.0353, 0.2242, 0.2455** is the 20% darker color. If you saturate the color by 10%, you get **44.2083, 0.2259, 0.2427**, and if you desaturate by 10%, it is **59.7737, 0.2579, 0.2792**.

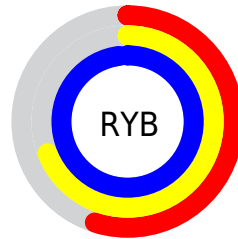
Distribution



Red (55%)

Green (76%)

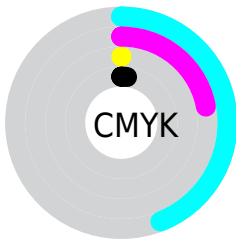
Blue (98%)



Red (55%)

Yellow (69%)

Blue (98%)

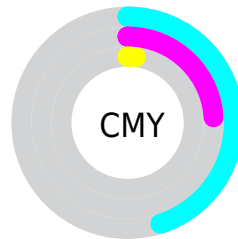


Cyan (44%)

Magenta (22%)

Yellow (0%)

Black (2%)



Cyan (45%)

Magenta (24%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.5078, 0.2416, 0.2615 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 51.5078, 0.2416, 0.2615 by changing the saturation by 10% instead.

■ 51.5078, 0.2416,
0.2615

■ 51.5078, 0.2416,
0.2615

■ 392.5335, 0.2755,
0.2941

■ 36.6129, 0.2337,
0.2538

■ 92.4049, 0.2535,
0.2730

■ 24.9079, 0.2239,
0.2443

■ 119.1760, 0.2581,
0.2774

■ 16.0085, 0.2115,
0.2320

■ 150.6745, 0.2620,
0.2812

■ 9.5301, 0.1953,
0.2160

■ 187.2849, 0.2655,
0.2845

■ 5.0886, 0.1734,
0.1941

■ 229.3917, 0.2684,
0.2873

■ 2.2993, 0.1430,
0.1631

■ 277.3791, 0.2711,

■ 0.7733, 0.0979,

0.2898

0.1178

331.6315, 0.2734,
0.2921

0.0000, 0.0000,
0.0000

51.5078, 0.2416,
0.2615

51.5078, 0.2416,
0.2615

44.2083, 0.2259,
0.2427

59.7737, 0.2579,
0.2792

37.8240, 0.2115,
0.2231

69.0418, 0.2745,
0.2957

32.3070, 0.1987,
0.2033

79.3530, 0.2908,
0.3106

27.6006, 0.1882,
0.1838

90.7436, 0.3066,
0.3240

23.6380, 0.1801,
0.1652

99.6821, 0.3156,
0.3338

■ 21.5615, 0.1763,
0.1546

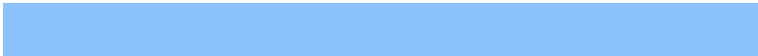
Harmonies

Analogous

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



51.5078, 0.2311, 0.2826



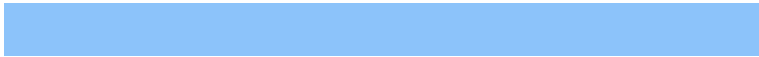
51.5078, 0.2416, 0.2615



51.5078, 0.2702, 0.2581

Triad

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



51.5078, 0.2416, 0.2615



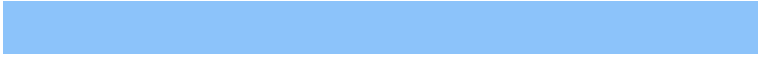
51.5078, 0.3907, 0.3305



51.5078, 0.3085, 0.3983

Complementary

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



51.5078, 0.2416, 0.2615



61.2600, 0.4025, 0.3872

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.



51.5078, 0.3523, 0.4094



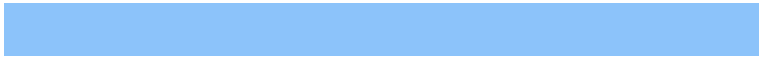
51.5078, 0.2416, 0.2615



51.5078, 0.4016, 0.3661

Square

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



51.5078, 0.2416, 0.2615



51.5078, 0.3568, 0.2967



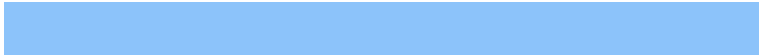
51.5078, 0.3869, 0.3958



51.5078, 0.2677, 0.3636

Rectangle

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



51.5078, 0.2416, 0.2615



51.5078, 0.2970, 0.2651



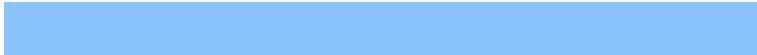
51.5078, 0.3869, 0.3958



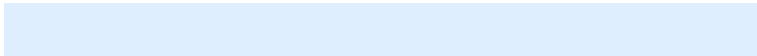
51.5078, 0.3234, 0.4050

Sweetspot

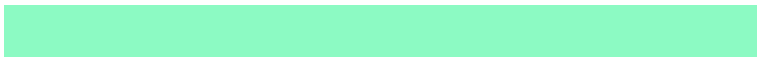
The Sweet Spot groups the original color and five complimentary colors.



51.5097, 0.2416, 0.2615



84.1204, 0.2923, 0.3120



77.8891, 0.2791, 0.3963



17.4694, 0.2888, 0.3088



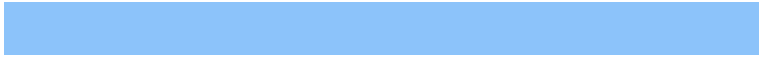
0.0000, 0.0000, 0.0000



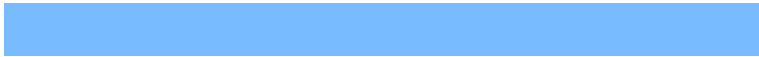
21.4041, 0.3127, 0.3290

Same Dimension

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



51.5097, 0.2416, 0.2615



46.9166, 0.2274, 0.2445



31.2437, 0.2295, 0.1914



18.0766, 0.2980, 0.3168



11.7248, 0.1771, 0.1575



1.2979, 0.1831, 0.1791

Inverse Universe

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



43.0278, 0.3700, 0.2714



38.2623, 0.3878, 0.2606



90.5887, 0.3783, 0.4374



17.3700, 0.3215, 0.3172



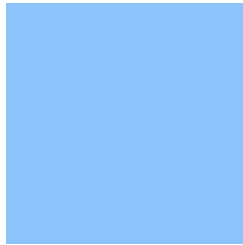
11.5945, 0.4963, 0.2508



1.0953, 0.4697, 0.2361

Previews

White Background



This preview shows how the Yxy color 51.5078, 0.2416, 0.2615 looks on a white background.

Color Contrast Check

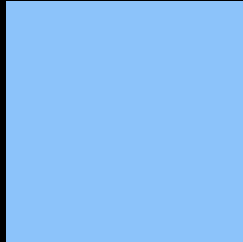
Large Text (above 18pt) WCAG AA × Fail

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 51.5078, 0.2416, 0.2615 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

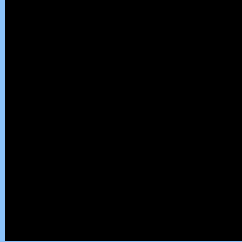
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

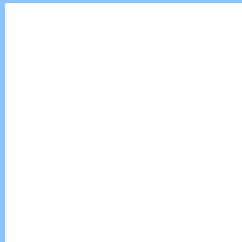
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.5078, 0.2416, 0.2615

Background



This preview shows how black text looks on a background with the Yxy color 51.5078, 0.2416, 0.2615.

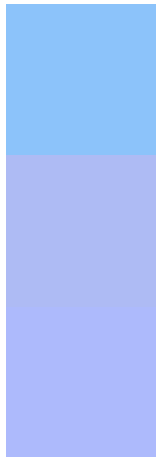


This preview shows how white text looks on a background with the Yxy color 51.5078, 0.2416, 0.2615.

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

51.5078, 0.2416, 0.2615

Protanopia

51.0710, 0.2639, 0.2614

Deuteranopia

51.0303, 0.2585, 0.2519



Tritanopia

51.6083, 0.2550, 0.3077

Trichromacy



Original Color

51.5078, 0.2416, 0.2615

Protanomaly

51.1621, 0.2554, 0.2616

Deuteranomaly

50.9373, 0.2519, 0.2551

Tritanomaly

51.5723, 0.2498, 0.2902

Monochromacy



Original Color

51.5078, 0.2416, 0.2615

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

49.4337, 0.2827, 0.3034

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.5078, 0.2416, 0.2615 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(140, 195, 250)` looks like.

```
.text, #text, p{  
    color:rgb(140, 195, 250)  
}
```

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(140, 195, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 195, 250) }
```

Border

The CSS property to change the border of an element to Yxy 51.5078, 0.2416, 0.2615 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(140, 195, 250) }
```

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

```
.border{ border-color:rgb(140, 195, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 195, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 195, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 195, 250);  
box-shadow:4px 4px 4px 4px rgb(140, 195,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 51.5078, 0.2416, 0.2615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 195, 250) }
```

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

```
.background{ background-color: rgb(140,  
195, 250) }
```

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