

Converting Colors

Yxy(52.4159, 0.2443, 0.2487)

Have a look what the booklet for
Yxy(52.4159, 0.2443, 0.2487)
contains.

Yxy(51.8878, 0.2468, 0.2540)	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(51.8878, 0.2468, 0.2540)

Conversions

Conversions Part 1

Format	Color
Hex	9BC0FF
RGB	155, 192, 255
RGB Percent	61%, 75%, 100%
CMY	0.3922, 0.2470, 0.0000
CMYK	0.39, 0.25, 0.00, 0.00
HSL	218°, 100%, 80%
HSV	218°, 39%, 100%
XYZ	50.4170, 51.8878, 101.9779
YIQ	188.1190, -42.2750, 11.7490

Conversions

Conversions Part 2

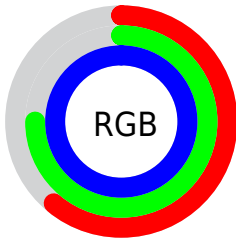
Format	Color
R _Y B	155, 182, 255
Decimal	10207487
CIE Lab	77.21, 2.96, -34.97
CIE LCh	77, 35.092, 274.844
Yxy	51.8878, 0.2468, 0.2540
Android (android.graphics.Color)	4288397567 (0xFF9BC0FF)
YUV	188.1190, 32.9723, -29.0454
Hunter-Lab	72.0332, -1.1236, -33.5141

Details

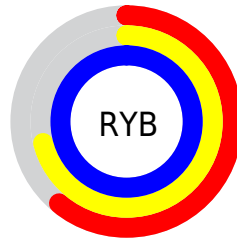
The Yxy color **51.8878, 0.2468, 0.2540** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **73.7615, 0.3854, 0.3936**, and the grayscale version is **50.1869, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3519, 0.2868, 0.3217**, and **25.1951, 0.2302, 0.2360** is the 20% darker color. If you saturate the color by 10%, you get **42.9536, 0.2292, 0.2306**, and if you desaturate by 10%, it is **62.1265, 0.2645, 0.2759**.

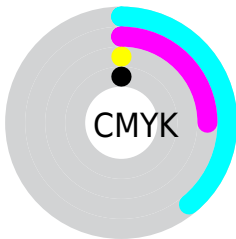
Distribution



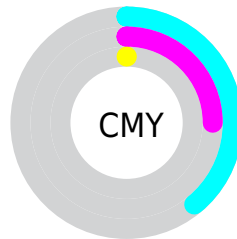
- Red (61%)
- Green (75%)
- Blue (100%)



- Red (61%)
- Yellow (71%)
- Blue (100%)



- Cyan (39%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)





- Cyan (39%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.8878, 0.2468, 0.2540 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 51.8878, 0.2468, 0.2540 by changing the saturation by 10% instead.

 51.8878, 0.2468,
0.2540

 51.8878, 0.2468,
0.2540


394.0033, 0.2784,
0.2896

 36.9156, 0.2394,
0.2458


 92.9657, 0.2579,
0.2665

 25.1422, 0.2303,
0.2356


 119.8403, 0.2622,
0.2713

 16.1830, 0.2186,
0.2227


151.4512, 0.2658,
0.2754

 9.6538, 0.2034,
0.2059

188.1827, 0.2690,
0.2790

 5.1700, 0.1828,
0.1835

230.4193, 0.2718,
0.2821

 2.3473, 0.1541,
0.1524

278.5453, 0.2742,

 0.7986, 0.1128,

0.2849

0.1084

332.9452, 0.2764,
0.2874

0.0000, 0.0000,
0.0000

51.8878, 0.2468,
0.2540

51.8878, 0.2468,
0.2540

42.9536, 0.2292,
0.2306

62.1265, 0.2645,
0.2759

35.2624, 0.2122,
0.2061

73.7210, 0.2818,
0.2960

28.7518, 0.1968,
0.1815

86.7233, 0.2984,
0.3141

23.3512, 0.1835,
0.1575

100.0000, 0.3127,
0.3290

18.9805, 0.1731,
0.1353

■ 15.5314, 0.1656,
0.1157

■ 15.2927, 0.1651,
0.1143

Harmonies

Analogous

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



51.8878, 0.2282, 0.2689



51.8878, 0.2468, 0.2540



51.8878, 0.2831, 0.2574

Triad

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



51.8878, 0.2468, 0.2540



51.8878, 0.4034, 0.3448



51.8878, 0.2905, 0.3913

Complementary

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



51.8878, 0.2468, 0.2540



73.7615, 0.3854, 0.3936

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.



51.8878, 0.3372, 0.4137



51.8878, 0.2468, 0.2540



51.8878, 0.4043, 0.3813

Square

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



51.8878, 0.2468, 0.2540



51.8878, 0.3756, 0.3076



51.8878, 0.3792, 0.4080



51.8878, 0.2517, 0.3480

Rectangle

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



51.8878, 0.2468, 0.2540



51.8878, 0.3140, 0.2687



51.8878, 0.3792, 0.4080



51.8878, 0.3058, 0.4018

Sweetspot

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



51.8888, 0.2468, 0.2540



82.9641, 0.2939, 0.3093



83.4798, 0.2763, 0.3735



17.3879, 0.2917, 0.3069



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.



51.8888, 0.2468, 0.2540



44.8273, 0.2330, 0.2359



38.8376, 0.2478, 0.2109



18.4788, 0.2979, 0.3136



8.2515, 0.1659, 0.1173



1.0040, 0.1722, 0.1398

Inverse Universe

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



48.5053, 0.3743, 0.2906



41.9051, 0.3928, 0.2832



93.0001, 0.3637, 0.4294



18.0982, 0.3236, 0.3202



11.5610, 0.5505, 0.2806



1.1459, 0.5194, 0.2635

Previews

White Background



This preview shows how the Yxy color 51.8878, 0.2468, 0.2540 looks on a white background.

Color Contrast Check

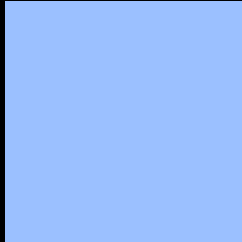
Large Text (above 18pt) WCAG AA × Fail

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 51.8878, 0.2468, 0.2540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

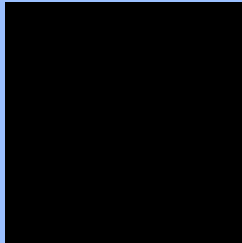
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

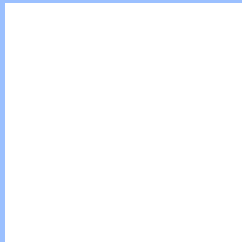
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.8878, 0.2468, 0.2540

Background



This preview shows how black text looks on a background with the Yxy color 51.8878, 0.2468, 0.2540.



This preview shows how white text looks on a background with the Yxy color 51.8878, 0.2468, 0.2540.

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

51.8878, 0.2468, 0.2540

Protanopia

51.7654, 0.2581, 0.2542

Deuteranopia

51.5313, 0.2563, 0.2500



Tritanopia

51.7729, 0.2640, 0.3080

Trichromacy



Original Color

51.8878, 0.2468, 0.2540

Protanomaly

51.5940, 0.2539, 0.2536

Deuteranomaly

51.7222, 0.2529, 0.2516

Tritanomaly

51.5826, 0.2573, 0.2860

Monochromacy



Original Color

51.8878, 0.2468, 0.2540

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

50.3788, 0.2859, 0.3001

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.8878, 0.2468, 0.2540 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(155, 192, 255)` looks like.

```
.text, #text, p{  
    color:rgb(155, 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(155, 192, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 192, 255) }
```

Border

The CSS property to change the border of an element to Yxy 51.8878, 0.2468, 0.2540 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(155, 192, 255) }
```

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

```
.border{ border-color:rgb(155, 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(155, 192, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 192, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 192, 255);  
box-shadow:4px 4px 4px 4px rgb(155, 192,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 51.8878, 0.2468, 0.2540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 192, 255) }
```

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

```
.background{ background-color: rgb(155,  
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