

# Converting Colors

$Yxy(52.4633, 0.2333, 0.2583)$

Have a look what the booklet for  
Yxy(52.4633, 0.2333, 0.2583)  
contains.

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# Color

**Yxy(52.1974, 0.2339, 0.2590)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80C6FF
RGB	128, 198, 255
RGB Percent	50%, 78%, 100%
CMY	0.4983, 0.2235, 0.0000
CMYK	0.50, 0.22, 0.00, 0.00
HSL	207°, 100%, 75%
HSV	207°, 50%, 100%
XYZ	47.1389, 52.1974, 102.1981
YIQ	183.5680, -60.0170, 2.8870

# Conversions

## Conversions Part 2

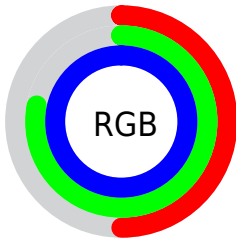
Format	Color
R <sub>Y</sub> B	128, 173, 255
Decimal	8439551
CIE Lab	77.40, -6.80, -34.79
CIE LCh	77, 35.447, 258.934
Yxy	52.1974, 0.2339, 0.2590
Android (android.graphics.Color)	4286629631 (0xFF80C6FF)
YUV	183.5680, 35.2160, -48.7331
Hunter-Lab	72.2478, -9.9692, -33.2952

# Details

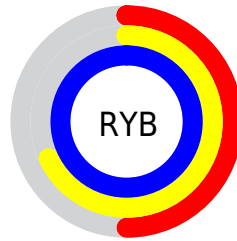
The Yxy color **52.1974, 0.2339, 0.2590** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **57.4842, 0.4216, 0.3880**, and the grayscale version is **47.5036, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3048, 0.2736, 0.3289**, and **25.2170, 0.2145, 0.2406** is the 20% darker color. If you saturate the color by 10%, you get **45.4323, 0.2196, 0.2418**, and if you desaturate by 10%, it is **59.8578, 0.2493, 0.2754**.

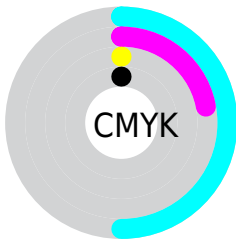
# Distribution



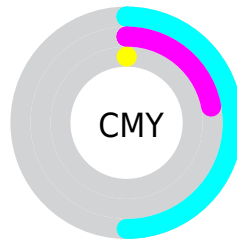
- Red (50%)
- Green (78%)
- Blue (100%)



- Red (50%)
- Yellow (68%)
- Blue (100%)



- Cyan (50%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)




- Cyan (50%)
- Magenta (22%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.1974, 0.2339, 0.2590 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 52.1974, 0.2339, 0.2590 by changing the saturation by 10% instead.





 52.1974, 0.2339,  
0.2590


 52.1974, 0.2339,  
0.2590


395.1982, 0.2712,  
0.2928


 37.1624, 0.2253,  
0.2511


 93.4223, 0.2469,  
0.2709

 25.3333, 0.2147,  
0.2412

 120.3810, 0.2520,  
0.2755

 16.3255, 0.2014,  
0.2285


 152.0831, 0.2563,  
0.2794

 9.7548, 0.1842,  
0.2120

188.9130, 0.2601,  
0.2828

 5.2367, 0.1613,  
0.1896

231.2551, 0.2633,  
0.2858

 2.3868, 0.1301,  
0.1583

279.4937, 0.2663,

 0.8191, 0.0850,

0.2884

0.1137

334.0133, 0.2689,  
0.2907

0.0000, 0.0000,  
0.0000

52.1974, 0.2339,  
0.2590

52.1974, 0.2339,  
0.2590

45.4323, 0.2196,  
0.2418

59.8578, 0.2493,  
0.2754

39.5101, 0.2068,  
0.2241

68.4502, 0.2653,  
0.2907

34.3804, 0.1961,  
0.2064

78.0157, 0.2814,  
0.3049

29.9822, 0.1876,  
0.1891

88.5908, 0.2974,  
0.3177

26.2227, 0.1813,  
0.1725

100.0000, 0.3127,  
0.3290

■ 26.1617, 0.1812,  
0.1722

# Harmonies

## Analogous

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



52.1974, 0.2258, 0.2840



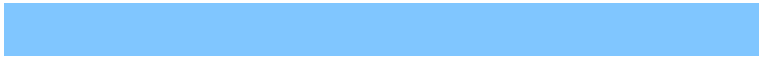
52.1974, 0.2339, 0.2590



52.1974, 0.2615, 0.2529

# Triad

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



52.1974, 0.2339, 0.2590



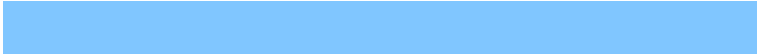
52.1974, 0.3923, 0.3247



52.1974, 0.3151, 0.4073

# Complementary

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



52.1974, 0.2339, 0.2590



57.4842, 0.4216, 0.3880

# 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.



52.1974, 0.3613, 0.4146



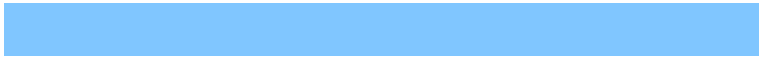
52.1974, 0.2339, 0.2590



52.1974, 0.4081, 0.3627

# Square

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



52.1974, 0.2339, 0.2590



52.1974, 0.3531, 0.2897



52.1974, 0.3960, 0.3962

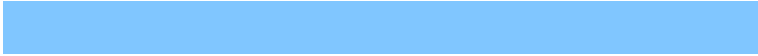


52.1974, 0.2703, 0.3730



# Rectangle

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



52.1974, 0.2339, 0.2590



52.1974, 0.2889, 0.2586



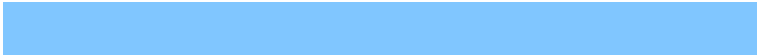
52.1974, 0.3960, 0.3962



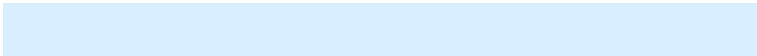
52.1974, 0.3310, 0.4130

# Sweetspot

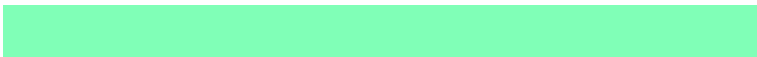
The Sweet Spot groups the original color and five complimentary colors.



52.1993, 0.2339, 0.2590



82.9923, 0.2892, 0.3112



79.5235, 0.2799, 0.4184



17.2923, 0.2858, 0.3085



0.0000, 0.0000, 0.0000

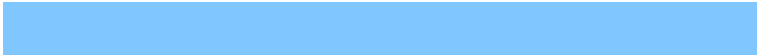


21.4041, 0.3127, 0.3290



# Same Dimension

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



52.1993, 0.2339, 0.2590



45.3228, 0.2194, 0.2415



29.5290, 0.2187, 0.1803



19.0388, 0.2979, 0.3181



13.9727, 0.1819, 0.1749



1.5787, 0.1872, 0.1939



# Inverse Universe

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



40.7608, 0.3741, 0.2578



34.3241, 0.3932, 0.2458



89.0510, 0.3898, 0.4436



18.1548, 0.3207, 0.3160



12.1385, 0.4746, 0.2388



1.2039, 0.4522, 0.2265



# Previews

## White Background



This preview shows how the Yxy color 52.1974, 0.2339, 0.2590 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

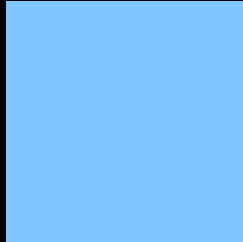
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.1974, 0.2339, 0.2590 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

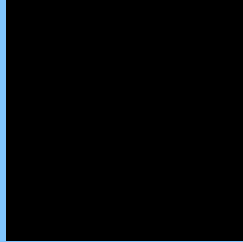
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

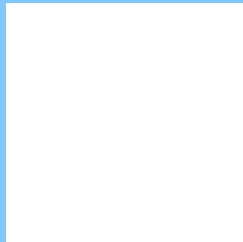
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 52.1974, 0.2339, 0.2590**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.1974, 0.2339, 0.2590.



This preview shows how white text looks on a background with the Yxy color 52.1974, 0.2339, 0.2590.

# 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

52.1974, 0.2339, 0.2590

### Protanopia

51.7424, 0.2617, 0.2585

### Deuteranopia

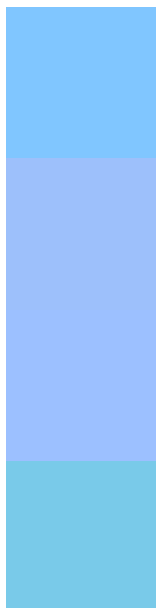
51.9571, 0.2565, 0.2512



## Tritanopia

52.1881, 0.2463, 0.3062

# Trichromacy



## Original Color

52.1974, 0.2339, 0.2590

## Protanomaly

51.8324, 0.2501, 0.2584

## Deuteranomaly

51.9872, 0.2474, 0.2541

## Tritanomaly

52.1892, 0.2418, 0.2887

# Monochromacy



## Original Color

52.1974, 0.2339, 0.2590

## Achromatopsia

47.9320, 0.3127, 0.3290

## Achromatomaly

48.9408, 0.2784, 0.3019

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.1974, 0.2339, 0.2590 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(128, 198, 255)` looks like.

```
.text, #text, p{  
    color:rgb(128, 198, 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(128, 198, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 198, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 52.1974, 0.2339, 0.2590 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(128, 198, 255) }
```

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

```
.border{ border-color:rgb(128, 198, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 198, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 198, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 198, 255);  
box-shadow:4px 4px 4px 4px rgb(128, 198,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.1974, 0.2339, 0.2590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 198, 255) }
```

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

```
.background{ background-color: rgb(128,  
198, 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](#).

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