

# Converting Colors

$Yxy(53.3898, 0.2332, 0.2480)$

Have a look what the booklet for  
Yxy(53.3898, 0.2332, 0.2480)  
contains.

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# Color

**Yxy(52.4709, 0.2381, 0.2585)**

# Conversions

## Conversions Part 1

Format	Color
Hex	89C5FF
RGB	137, 197, 255
RGB Percent	54%, 77%, 100%
CMY	0.4628, 0.2274, 0.0000
CMYK	0.46, 0.23, 0.00, 0.00
HSL	209°, 100%, 77%
HSV	209°, 46%, 100%
XYZ	48.3301, 52.4709, 102.1812
YIQ	185.6720, -54.3780, 5.3180

# Conversions

## Conversions Part 2

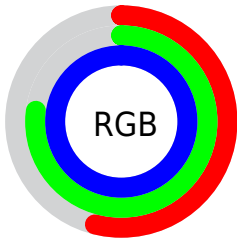
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	137, 177, 255
Decimal	9029119
CIE Lab	77.56, -4.20, -34.50
CIE LCh	78, 34.751, 263.059
Yxy	52.4709, 0.2381, 0.2585
Android (android.graphics.Color)	4287219199 (0xFF89C5FF)
YUV	185.6720, 34.1787, -42.6853
Hunter-Lab	72.4368, -7.6686, -32.9303

# Details

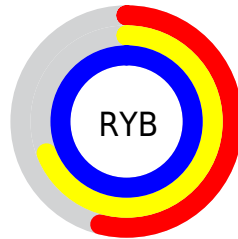
The Yxy color **52.4709, 0.2381, 0.2585** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.0847, 0.4090, 0.3891**, and the grayscale version is **48.7381, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.7057, 0.2777, 0.3278**, and **25.3844, 0.2198, 0.2401** is the 20% darker color. If you saturate the color by 10%, you get **45.1104, 0.2228, 0.2398**, and if you desaturate by 10%, it is **60.8175, 0.2542, 0.2762**.

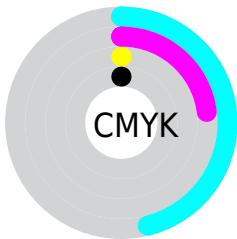
# Distribution



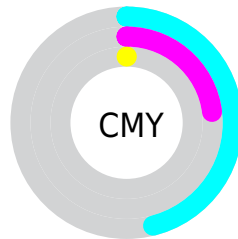
- Red (54%)
- Green (77%)
- Blue (100%)



- Red (54%)
- Yellow (69%)
- Blue (100%)



- Cyan (46%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)



- Cyan (46%)
- Magenta (23%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.4709, 0.2381, 0.2585 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 52.4709, 0.2381, 0.2585 by changing the saturation by 10% instead.



■ 52.4709, 0.2381,  
0.2585

■ 52.4709, 0.2381,  
0.2585

■ 396.2519, 0.2735,  
0.2924

■ 37.3806, 0.2299,  
0.2506

■ 93.8253, 0.2505,  
0.2704

■ 25.5023, 0.2198,  
0.2407

■ 120.8582, 0.2553,  
0.2750

■ 16.4517, 0.2071,  
0.2282

■ 152.6408, 0.2594,  
0.2789

■ 9.8443, 0.1905,  
0.2118

■ 189.5573, 0.2629,  
0.2823

■ 5.2959, 0.1685,  
0.1897

■ 231.9923, 0.2661,  
0.2853

■ 2.4219, 0.1382,  
0.1588

■ 280.3302, 0.2688,

■ 0.8371, 0.0950,

0.2879

0.1147

334.9552, 0.2713,  
0.2903

0.0000, 0.0000,  
0.0000

52.4709, 0.2381,  
0.2585

52.4709, 0.2381,  
0.2585

45.1104, 0.2228,  
0.2398

60.8175, 0.2542,  
0.2762

38.6822, 0.2088,  
0.2205

70.1882, 0.2707,  
0.2926

33.1352, 0.1966,  
0.2010

80.6257, 0.2871,  
0.3077

28.4086, 0.1868,  
0.1820

92.1684, 0.3030,  
0.3212

24.4293, 0.1794,  
0.1639

99.9995, 0.3127,  
0.3290

■ 23.1022, 0.1771,  
0.1574

# Harmonies

## Analogous

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



52.4709, 0.2274, 0.2806



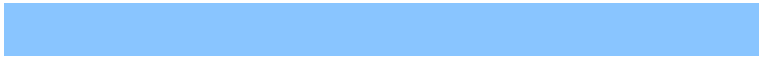
52.4709, 0.2381, 0.2585



52.4709, 0.2676, 0.2549

# Triad

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



52.4709, 0.2381, 0.2585



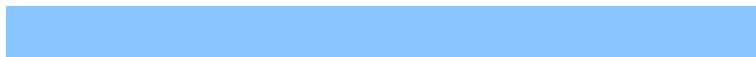
52.4709, 0.3943, 0.3300



52.4709, 0.3087, 0.4023

# Complementary

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



52.4709, 0.2381, 0.2585



62.0847, 0.4090, 0.3891

# 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.



52.4709, 0.3545, 0.4135



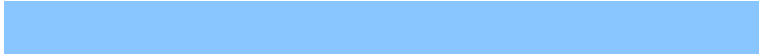
52.4709, 0.2381, 0.2585



52.4709, 0.4060, 0.3672

# Square

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



52.4709, 0.2381, 0.2585



52.4709, 0.3584, 0.2948



52.4709, 0.3907, 0.3985

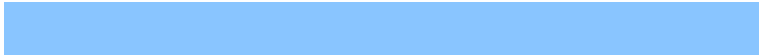


52.4709, 0.2660, 0.3659



# Rectangle

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



52.4709, 0.2381, 0.2585



52.4709, 0.2956, 0.2620



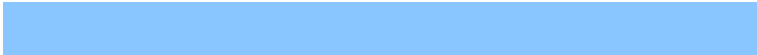
52.4709, 0.3907, 0.3985



52.4709, 0.3243, 0.4092

# Sweetspot

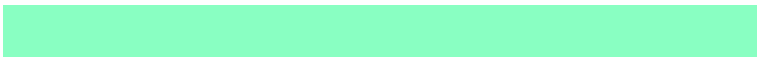
The Sweet Spot groups the original color and five complimentary colors.



52.4729, 0.2381, 0.2585



83.1600, 0.2907, 0.3109



80.7292, 0.2787, 0.4032



17.2862, 0.2873, 0.3078



0.0000, 0.0000, 0.0000

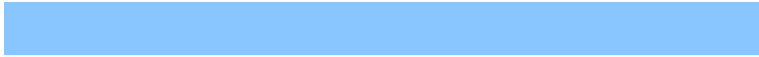


21.4041, 0.3127, 0.3290

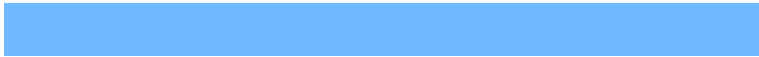


# Same Dimension

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



52.4729, 0.2381, 0.2585



45.3038, 0.2232, 0.2403



30.9904, 0.2248, 0.1854



18.9051, 0.2979, 0.3170



12.3719, 0.1779, 0.1603



1.4233, 0.1835, 0.1806



# Inverse Universe

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



43.1791, 0.3733, 0.2675



36.3880, 0.3927, 0.2561



93.3315, 0.3822, 0.4410



18.1413, 0.3214, 0.3170



11.9769, 0.4928, 0.2488

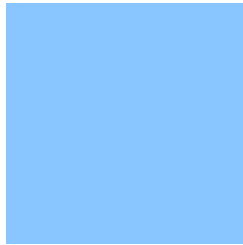


1.1882, 0.4678, 0.2351



# Previews

## White Background



This preview shows how the Yxy color 52.4709, 0.2381, 0.2585 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

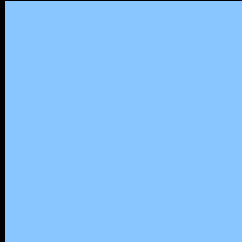
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.4709, 0.2381, 0.2585 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

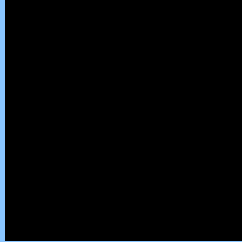
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

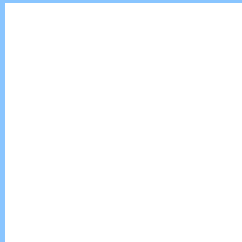
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 52.4709, 0.2381, 0.2585**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.4709, 0.2381, 0.2585.



This preview shows how white text looks on a background with the Yxy color 52.4709, 0.2381, 0.2585.

# 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

52.4709, 0.2381, 0.2585

### Protanopia

52.3487, 0.2619, 0.2588

### Deuteranopia

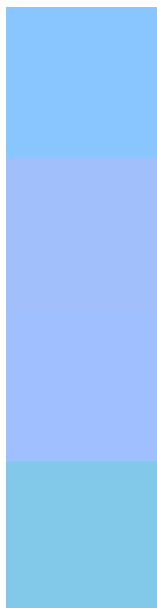
52.0707, 0.2571, 0.2513



## Tritanopia

52.3148, 0.2511, 0.3064

# Trichromacy



## Original Color

52.4709, 0.2381, 0.2585

## Protanomaly

52.2414, 0.2524, 0.2588

## Deuteranomaly

51.9552, 0.2496, 0.2534

## Tritanomaly

52.4023, 0.2461, 0.2879

# Monochromacy



## Original Color

52.4709, 0.2381, 0.2585

## Achromatopsia

49.1021, 0.3127, 0.3290

## Achromatomaly

49.8549, 0.2808, 0.3022

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.4709, 0.2381, 0.2585 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(137, 197, 255)` looks like.

```
.text, #text, p{  
    color:rgb(137, 197, 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(137, 197, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 197, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 52.4709, 0.2381, 0.2585 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(137, 197, 255) }
```

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

```
.border{ border-color:rgb(137, 197, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 197, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 197, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 197, 255);  
box-shadow:4px 4px 4px 4px rgb(137, 197,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.4709, 0.2381, 0.2585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 197, 255) }
```

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

```
.background{ background-color: rgb(137,  
197, 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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