

# Converting Colors

$Yxy(53.1007, 0.2362, 0.2610)$

Have a look what the booklet for  
Yxy(53.1007, 0.2362, 0.2610)  
contains.

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# Color

**Yxy(52.9724, 0.2361, 0.2606)**

# Conversions

## Conversions Part 1

Format	Color
Hex	84C7FF
RGB	132, 199, 255
RGB Percent	52%, 78%, 100%
CMY	0.4822, 0.2196, 0.0000
CMYK	0.48, 0.22, 0.00, 0.00
HSL	207°, 100%, 76%
HSV	207°, 48%, 100%
XYZ	47.9923, 52.9724, 102.3063
YIQ	185.3510, -57.9080, 3.2120

# Conversions

## Conversions Part 2

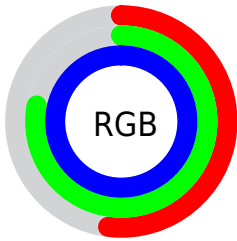
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	132, 175, 255
Decimal	8701951
CIE <sub>Lab</sub>	77.86, -6.41, -34.06
CIE <sub>LCh</sub>	78, 34.662, 259.339
Yxy	52.9724, 0.2361, 0.2606
Android (android.graphics.Color)	4286892031 (0xFF84C7FF)
YUV	185.3510, 34.3370, -46.7888
Hunter-Lab	72.7821, -9.6665, -32.3935

# Details

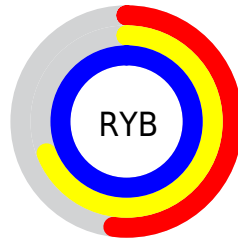
The Yxy color **52.9724, 0.2361, 0.2606** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **58.9057, 0.4166, 0.3871**, and the grayscale version is **48.5546, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6871, 0.2752, 0.3289**, and **25.7445, 0.2176, 0.2429** is the 20% darker color. If you saturate the color by 10%, you get **46.0213, 0.2215, 0.2432**, and if you desaturate by 10%, it is **60.8370, 0.2517, 0.2771**.

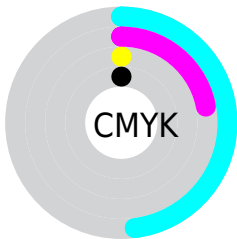
# Distribution



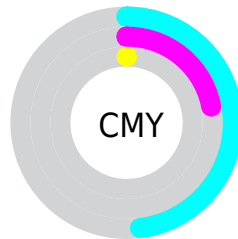
- Red (52%)
- Green (78%)
- Blue (100%)



- Red (52%)
- Yellow (69%)
- Blue (100%)



- Cyan (48%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (48%)
- Magenta (22%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.9724, 0.2361, 0.2606 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 52.9724, 0.2361, 0.2606 by changing the saturation by 10% instead.





 52.9724, 0.2361,  
0.2606

 52.9724, 0.2361,  
0.2606


398.1792, 0.2723,  
0.2936


 37.7807, 0.2278,  
0.2529


 94.5638, 0.2487,  
0.2722

 25.8126, 0.2175,  
0.2432


 121.7322, 0.2536,  
0.2767

 16.6835, 0.2045,  
0.2310


 153.6618, 0.2578,  
0.2805

 10.0091, 0.1878,  
0.2149

190.7368, 0.2615,  
0.2838

 5.4050, 0.1655,  
0.1931

233.3416, 0.2647,  
0.2867

 2.4868, 0.1350,  
0.1625

281.8607, 0.2675,

 0.8700, 0.0915,

0.2893

0.1187

336.6785, 0.2700,  
0.2915

0.0000, 0.0000,  
0.0000

52.9724, 0.2361,  
0.2606

52.9724, 0.2361,  
0.2606

46.0213, 0.2215,  
0.2432

60.8370, 0.2517,  
0.2771

39.9324, 0.2084,  
0.2253

69.6524, 0.2678,  
0.2925

34.6557, 0.1972,  
0.2073

79.4593, 0.2840,  
0.3067

30.1312, 0.1882,  
0.1896

90.2943, 0.3000,  
0.3195

26.2799, 0.1816,  
0.1728

100.0000, 0.3127,  
0.3290

■ 25.6485, 0.1805,  
0.1698

# Harmonies

## Analogous

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



52.9724, 0.2279, 0.2849



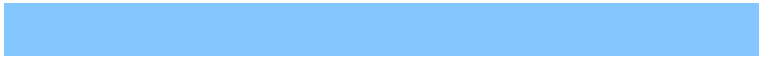
52.9724, 0.2361, 0.2606



52.9724, 0.2634, 0.2548

# Triad

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



52.9724, 0.2361, 0.2606



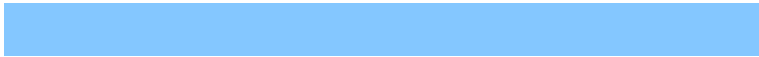
52.9724, 0.3905, 0.3254



52.9724, 0.3145, 0.4048

# Complementary

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



52.9724, 0.2361, 0.2606



58.9057, 0.4166, 0.3871

# 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.



52.9724, 0.3595, 0.4124



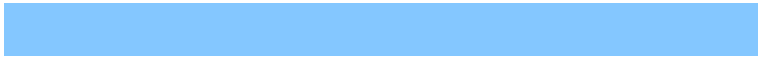
52.9724, 0.2361, 0.2606



52.9724, 0.4056, 0.3625

# Square

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



52.9724, 0.2361, 0.2606



52.9724, 0.3527, 0.2911



52.9724, 0.3935, 0.3949

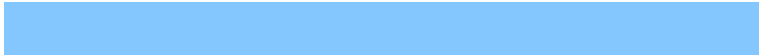


52.9724, 0.2709, 0.3711



# Rectangle

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



52.9724, 0.2361, 0.2606



52.9724, 0.2902, 0.2605



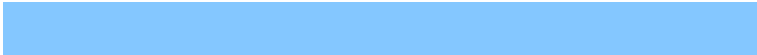
52.9724, 0.3935, 0.3949



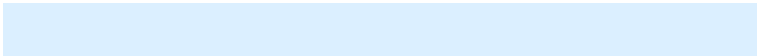
52.9724, 0.3300, 0.4105

# Sweetspot

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



52.9740, 0.2361, 0.2606



83.9088, 0.2908, 0.3122



80.0313, 0.2797, 0.4123



17.4685, 0.2873, 0.3094



0.0000, 0.0000, 0.0000

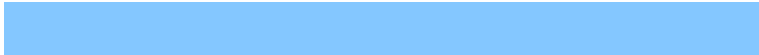


21.4041, 0.3127, 0.3290

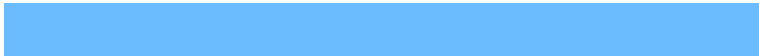


# Same Dimension

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



52.9740, 0.2361, 0.2606



46.1676, 0.2218, 0.2436



30.3555, 0.2216, 0.1833



19.0172, 0.2979, 0.3179



13.7044, 0.1813, 0.1726



1.5529, 0.1866, 0.1918



# Inverse Universe

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



41.8936, 0.3722, 0.2608



35.4119, 0.3905, 0.2490



90.5862, 0.3866, 0.4419



18.1526, 0.3208, 0.3161



12.1114, 0.4775, 0.2404

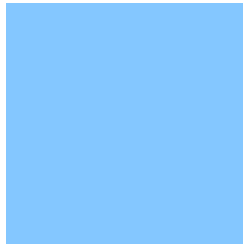


1.2013, 0.4547, 0.2278



# Previews

## White Background



This preview shows how the Yxy color 52.9724, 0.2361, 0.2606 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

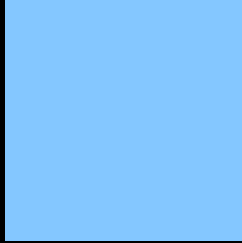
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.9724, 0.2361, 0.2606 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

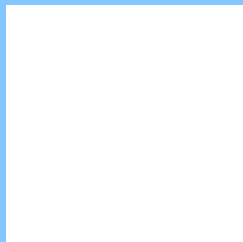
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 52.9724, 0.2361, 0.2606**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.9724, 0.2361, 0.2606.



This preview shows how white text looks on a background with the Yxy color 52.9724, 0.2361, 0.2606.

# 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

52.9724, 0.2361, 0.2606

### Protanopia

52.4026, 0.2632, 0.2600

### Deuteranopia

52.6139, 0.2579, 0.2526



## Tritanopia

53.0741, 0.2485, 0.3064

# Trichromacy



**Original Color**

52.9724, 0.2361, 0.2606

**Protanomaly**

52.5785, 0.2520, 0.2599

**Deuteranomaly**

52.7309, 0.2493, 0.2557

**Tritanomaly**

53.0880, 0.2440, 0.2891

# Monochromacy



**Original Color**

52.9724, 0.2361, 0.2606

**Achromatopsia**

48.5150, 0.3127, 0.3290

**Achromatomaly**

49.5870, 0.2800, 0.3033

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.9724, 0.2361, 0.2606 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(132, 199, 255)` looks like.

```
.text, #text, p{  
    color:rgb(132, 199, 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(132, 199, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 199, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 52.9724, 0.2361, 0.2606 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(132, 199, 255) }
```

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

```
.border{ border-color:rgb(132, 199, 255) }
```

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

Here you see how a box with a 4 pixel rgb(132, 199, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 199, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 199, 255);  
box-shadow:4px 4px 4px 4px rgb(132, 199,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.9724, 0.2361, 0.2606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 199, 255) }
```

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

```
.background{ background-color: rgb(132,  
199, 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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