

# Converting Colors

$Yxy(54.8554, 0.2594, 0.2695)$

Have a look what the booklet for  
Yxy(54.8554, 0.2594, 0.2695)  
contains.

<b>Yxy(54.9727, 0.2597, 0.2699)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(54.9727, 0.2597, 0.2699)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A8C5F7
RGB	168, 197, 247
RGB Percent	66%, 77%, 97%
CMY	0.3413, 0.2274, 0.0314
CMYK	0.32, 0.20, 0.00, 0.03
HSL	218°, 83%, 81%
HSV	218°, 32%, 97%
XYZ	52.8952, 54.9727, 95.8101
YIQ	194.0290, -33.3340, 9.4020

# Conversions

## Conversions Part 2

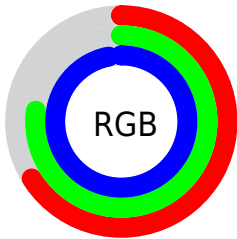
Format	Color
R <sub>Y</sub> B	168, 189, 247
Decimal	11060727
CIE Lab	79.03, 1.68, -27.82
CIE LCh	79, 27.866, 273.455
Yxy	54.9727, 0.2597, 0.2699
Android (android.graphics.Color)	4289250807 (0xFFA8C5F7)
YUV	194.0290, 26.1147, -22.8274
Hunter-Lab	74.1436, -2.4066, -24.7155

# Details

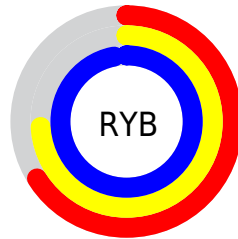
The Yxy color  $54.9727, 0.2597, 0.2699$  is a light color, and the websafe version is hex  $99CCFF$ . A complement of this color would be  $72.7080, 0.3699, 0.3816$ , and the grayscale version is  $53.8213, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $94.1112, 0.2946, 0.3279$ , and  $26.9400, 0.2469, 0.2553$  is the 20% darker color. If you saturate the color by 10%, you get  $45.7871, 0.2419, 0.2475$ , and if you desaturate by 10%, it is  $65.4123, 0.2771, 0.2905$ .

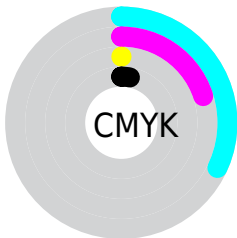
# Distribution



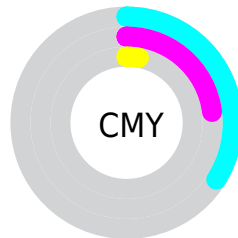
- Red (66%)
- Green (77%)
- Blue (97%)



- Red (66%)
- Yellow (74%)
- Blue (97%)



- Cyan (32%)
- Magenta (20%)
- Yellow (0%)
- Black (3%)



- Cyan (34%)
- Magenta (23%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.9727, 0.2597, 0.2699 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 54.9727, 0.2597, 0.2699 by changing the saturation by 10% instead.



■ 54.9727, 0.2597,  
0.2699

■ 54.9727, 0.2597,  
0.2699

405.8084, 0.2850,  
0.2980

■ 39.3799, 0.2538,  
0.2633

■ 97.5010, 0.2686,  
0.2798

■ 27.0554, 0.2464,  
0.2552

125.2052, 0.2721,  
0.2836

■ 17.6148, 0.2369,  
0.2448

157.7153, 0.2750,  
0.2868

■ 10.6738, 0.2244,  
0.2312

195.4157, 0.2775,  
0.2897

■ 5.8479, 0.2073,  
0.2126

238.6909, 0.2798,  
0.2921

■ 2.7528, 0.1828,  
0.1860

287.9251, 0.2817,

■ 1.0041, 0.1456,

0.2943

0.1462

343.5028, 0.2835,  
0.2963

0.0000, 0.0000,  
0.0000

54.9727, 0.2597,  
0.2699

54.9727, 0.2597,  
0.2699

45.7871, 0.2419,  
0.2475

65.4123, 0.2771,  
0.2905

37.7976, 0.2244,  
0.2236

77.1477, 0.2939,  
0.3092

30.9508, 0.2078,  
0.1990

90.2265, 0.3097,  
0.3259

25.1860, 0.1929,  
0.1744

99.4948, 0.3174,  
0.3367

20.4356, 0.1803,  
0.1508

■ 16.6219, 0.1707,  
0.1292

■ 14.1634, 0.1650,  
0.1139

# Harmonies

## Analogous

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



54.9727, 0.2453, 0.2832



54.9727, 0.2597, 0.2699



54.9727, 0.2882, 0.2715

# Triad

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



54.9727, 0.2597, 0.2699



54.9727, 0.3826, 0.3411



54.9727, 0.2975, 0.3779

# Complementary

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



54.9727, 0.2597, 0.2699



72.7080, 0.3699, 0.3816

# 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.



54.9727, 0.3343, 0.3944



54.9727, 0.2597, 0.2699



54.9727, 0.3846, 0.3699

# Square

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



54.9727, 0.2597, 0.2699



54.9727, 0.3602, 0.3112



54.9727, 0.3665, 0.3903



54.9727, 0.2661, 0.3457



# Rectangle

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



54.9727, 0.2597, 0.2699



54.9727, 0.3124, 0.2802



54.9727, 0.3665, 0.3903



54.9727, 0.3096, 0.3856

# Sweetspot

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



54.9749, 0.2597, 0.2699



85.6201, 0.2971, 0.3127



79.8304, 0.2822, 0.3640



17.9189, 0.2948, 0.3102



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.



54.9749, 0.2597, 0.2699



52.9601, 0.2489, 0.2565



44.0741, 0.2619, 0.2358



16.9244, 0.2980, 0.3136



7.7387, 0.1658, 0.1170



0.8694, 0.1727, 0.1418



# Inverse Universe

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



51.7953, 0.3593, 0.2981



49.6305, 0.3718, 0.2920



87.4790, 0.3546, 0.4109



16.5832, 0.3236, 0.3203



10.8806, 0.5510, 0.2809



0.9754, 0.5167, 0.2620



# Previews

## White Background



This preview shows how the Yxy color 54.9727, 0.2597, 0.2699 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

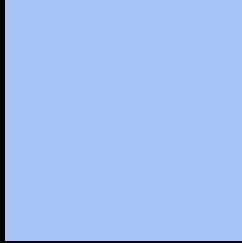
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.9727, 0.2597, 0.2699 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

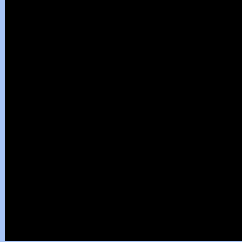
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

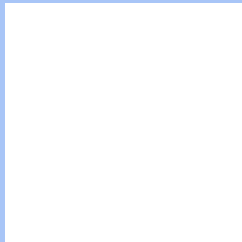
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 54.9727, 0.2597, 0.2699**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.9727, 0.2597, 0.2699.



This preview shows how white text looks on a background with the Yxy color 54.9727, 0.2597, 0.2699.

# 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

54.9727, 0.2597, 0.2699

### Protanopia

54.7389, 0.2707, 0.2697

### Deuteranopia

55.0414, 0.2709, 0.2649



## Tritanopia

54.9844, 0.2734, 0.3088

# Trichromacy



## Original Color

54.9727, 0.2597, 0.2699

## Protanomaly

54.6411, 0.2669, 0.2694

## Deuteranomaly

55.0642, 0.2664, 0.2665

## Tritanomaly

54.8582, 0.2679, 0.2933

# Monochromacy



## Original Color

54.9727, 0.2597, 0.2699

## Achromatopsia

53.9479, 0.3127, 0.3290

## Achromatomaly

54.1486, 0.2922, 0.3070

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.9727, 0.2597, 0.2699 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(168, 197, 247)` looks like.

```
.text, #text, p{  
    color:rgb(168, 197, 247)  
}
```

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(168, 197, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 197, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 54.9727, 0.2597, 0.2699 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(168, 197, 247) }
```

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

```
.border{ border-color:rgb(168, 197, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 197, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 197, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 197, 247);  
box-shadow:4px 4px 4px 4px rgb(168, 197,  
247) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.9727, 0.2597, 0.2699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 197, 247) }
```

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

```
.background{ background-color: rgb(168,  
197, 247) }
```

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