

# Converting Colors

Yxy(57.9522, 0.2437, 0.2652)

Have a look what the booklet for  
Yxy(57.9522, 0.2437, 0.2652)  
contains.

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# Color

**Yxy(57.7522, 0.2463, 0.2708)**

# Conversions

## Conversions Part 1

Format	Color
Hex	95CEFF
RGB	149, 206, 255
RGB Percent	58%, 81%, 100%
CMY	0.4153, 0.1922, 0.0000
CMYK	0.42, 0.19, 0.00, 0.00
HSL	208°, 100%, 79%
HSV	208°, 42%, 100%
XYZ	52.5272, 57.7522, 102.9857
YIQ	194.5430, -49.7010, 3.1550

# Conversions

## Conversions Part 2

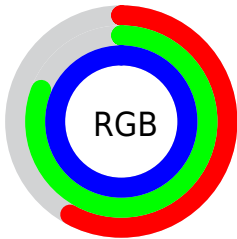
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	149, 186, 255
Decimal	9817855
CIE Lab	80.60, -6.07, -29.77
CIE LCh	81, 30.381, 258.481
Yxy	57.7522, 0.2463, 0.2708
Android (android.graphics.Color)	4288007935 (0xFF95CEFF)
YUV	194.5430, 29.8053, -39.9412
Hunter-Lab	75.9949, -9.6129, -27.1514

# Details

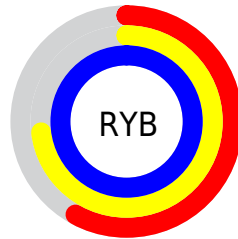
The Yxy color **57.7522, 0.2463, 0.2708** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **63.8682, 0.3981, 0.3801**, and the grayscale version is **54.1407, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8618, 0.2838, 0.3289**, and **28.8608, 0.2307, 0.2567** is the 20% darker color. If you saturate the color by 10%, you get **50.1411, 0.2309, 0.2537**, and if you desaturate by 10%, it is **66.3195, 0.2624, 0.2869**.

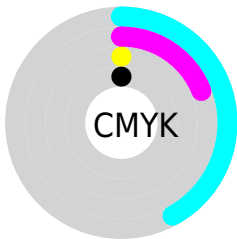
# Distribution



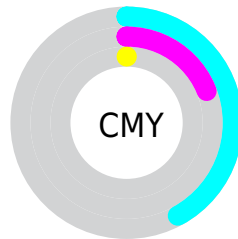
- Red (58%)
- Green (81%)
- Blue (100%)



- Red (58%)
- Yellow (73%)
- Blue (100%)



- Cyan (42%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)




- Cyan (42%)
- Magenta (19%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.7522, 0.2463, 0.2708 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 57.7522, 0.2463, 0.2708 by changing the saturation by 10% instead.





 57.7522, 0.2463,  
0.2708

 57.7522, 0.2463,  
0.2708


416.2619, 0.2774,  
0.2986

 41.6095, 0.2392,  
0.2643


 101.5619, 0.2571,  
0.2806

 28.7956, 0.2304,  
0.2562


 129.9977, 0.2613,  
0.2843

 18.9263, 0.2193,  
0.2460


163.2999, 0.2650,  
0.2876

 11.6170, 0.2049,  
0.2325

201.8530, 0.2681,  
0.2904

 6.4835, 0.1856,  
0.2141

246.0414, 0.2709,  
0.2928

 3.1412, 0.1590,  
0.1881

296.2494, 0.2733,

 1.2059, 0.1207,

0.2950

352.8614, 0.2755,  
0.2969

0.1495

0.0665, 0.0000,  
0.0240

0.0000, 0.0000,  
0.0000

57.7522, 0.2463,  
0.2708

57.7522, 0.2463,  
0.2708

50.1411, 0.2309,  
0.2537

66.3195, 0.2624,  
0.2869

43.4356, 0.2166,  
0.2358

75.8768, 0.2786,  
0.3017

37.5895, 0.2039,  
0.2175

86.4641, 0.2947,  
0.3152

32.5483, 0.1934,  
0.1992

98.1169, 0.3104,  
0.3273

■ 28.2479, 0.1851,  
0.1816

100.0000, 0.3127,  
0.3290

■ 25.1087, 0.1798,  
0.1672

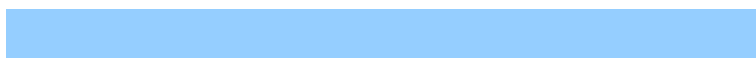
# Harmonies

## Analogous

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



57.7522, 0.2397, 0.2926



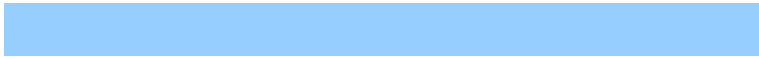
57.7522, 0.2463, 0.2708



57.7522, 0.2696, 0.2649

# Triad

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



57.7522, 0.2463, 0.2708



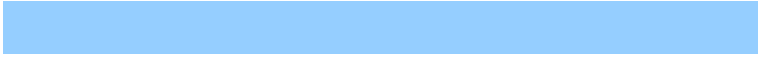
57.7522, 0.3781, 0.3255



57.7522, 0.3158, 0.3933

# Complementary

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



57.7522, 0.2463, 0.2708



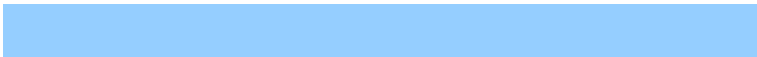
63.8682, 0.3981, 0.3801

# 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.



57.7522, 0.3541, 0.3997



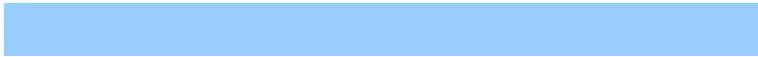
57.7522, 0.2463, 0.2708



57.7522, 0.3917, 0.3577

# Square

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



57.7522, 0.2463, 0.2708



57.7522, 0.3458, 0.2957



57.7522, 0.3824, 0.3852

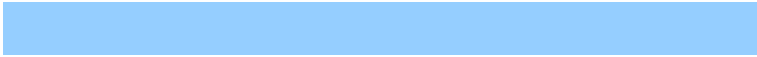


57.7522, 0.2782, 0.3656



# Rectangle

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



57.7522, 0.2463, 0.2708



57.7522, 0.2926, 0.2695



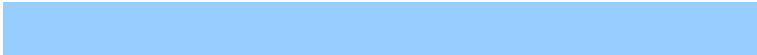
57.7522, 0.3824, 0.3852



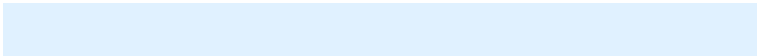
57.7522, 0.3291, 0.3980

# Sweetspot

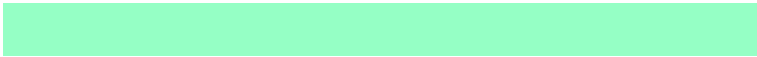
The Sweet Spot groups the original color and five complimentary colors.



57.7544, 0.2463, 0.2708



85.9465, 0.2940, 0.3146



81.9378, 0.2832, 0.3986



18.0887, 0.2919, 0.3129



0.0000, 0.0000, 0.0000

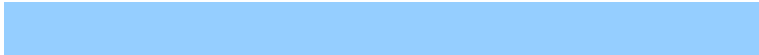


21.4041, 0.3127, 0.3290

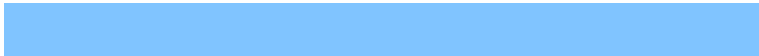


# Same Dimension

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



57.7544, 0.2463, 0.2708



51.2483, 0.2332, 0.2564



36.8568, 0.2358, 0.2065



18.9942, 0.2979, 0.3177



13.4221, 0.1806, 0.1700



1.5256, 0.1860, 0.1895



# Inverse Universe

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



47.2390, 0.3617, 0.2706



40.5535, 0.3764, 0.2594



91.6205, 0.3769, 0.4276



18.1503, 0.3210, 0.3163



12.0829, 0.4806, 0.2421

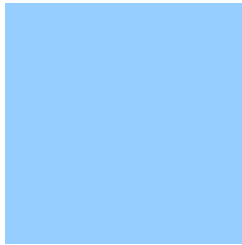


1.1986, 0.4574, 0.2293



# Previews

## White Background



This preview shows how the Yxy color 57.7522, 0.2463, 0.2708 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

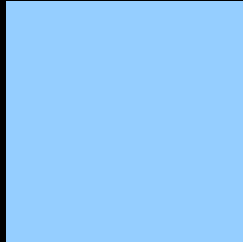
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.7522, 0.2463, 0.2708 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

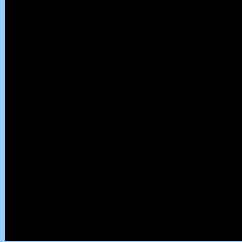
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

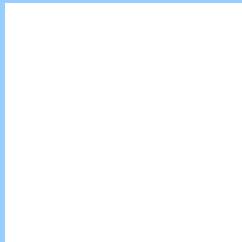
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 57.7522, 0.2463, 0.2708**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.7522, 0.2463, 0.2708.



This preview shows how white text looks on a background with the Yxy color 57.7522, 0.2463, 0.2708.

# 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

57.7522, 0.2463, 0.2708

### Protanopia

57.3369, 0.2708, 0.2698

### Deuteranopia

57.3912, 0.2678, 0.2626



## Tritanopia

57.9408, 0.2572, 0.3075

# Trichromacy



**Original Color**

57.7522, 0.2463, 0.2708

**Protanomaly**

57.1578, 0.2610, 0.2698

**Deuteranomaly**

57.5272, 0.2595, 0.2658

**Tritanomaly**

57.7937, 0.2532, 0.2932

# Monochromacy



**Original Color**

57.7522, 0.2463, 0.2708

**Achromatopsia**

54.5724, 0.3127, 0.3290

**Achromatomaly**

55.3216, 0.2847, 0.3069

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  57.7522, 0.2463, 0.2708 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(149, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(149, 206, 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(149, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 206, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 57.7522, 0.2463, 0.2708 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(149, 206, 255) }
```

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

```
.border{ border-color:rgb(149, 206, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 206, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(149, 206,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.7522, 0.2463, 0.2708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 206, 255) }
```

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

```
.background{ background-color: rgb(149,  
206, 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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