

# Converting Colors

$Y_{xy}(54.4909, 0.2475, 0.2590)$

Have a look what the booklet for  
Yxy(54.4909, 0.2475, 0.2590)  
contains.

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# Color

**Yxy(54.2204, 0.2483, 0.2603)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9CC5FF
RGB	156, 197, 255
RGB Percent	61%, 77%, 100%
CMY	0.3884, 0.2274, 0.0000
CMYK	0.39, 0.23, 0.00, 0.00
HSL	215°, 100%, 81%
HSV	215°, 39%, 100%
XYZ	51.7208, 54.2204, 102.3585
YIQ	191.3530, -43.0540, 9.3460

# Conversions

## Conversions Part 2

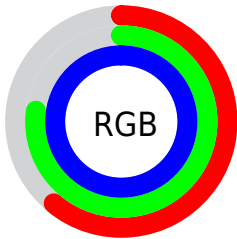
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	156, 185, 255
Decimal	10274303
CIE <sub>Lab</sub>	78.59, 0.49, -32.84
CIE <sub>LCh</sub>	79, 32.840, 270.855
Y <sub>xy</sub>	54.2204, 0.2483, 0.2603
Android (android.graphics.Color)	4288464383 (0xFF9CC5FF)
YUV	191.3530, 31.3780, -31.0046
Hunter-Lab	73.6345, -3.4822, -30.8742

# Details

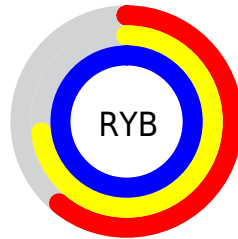
The Yxy color **54.2204, 0.2483, 0.2603** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **71.7213, 0.3863, 0.3887**, and the grayscale version is **52.1443, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.2498, 0.2877, 0.3279**, and **26.4315, 0.2321, 0.2427** is the 20% darker color. If you saturate the color by 10%, you get **45.4920, 0.2312, 0.2386**, and if you desaturate by 10%, it is **64.1564, 0.2656, 0.2805**.

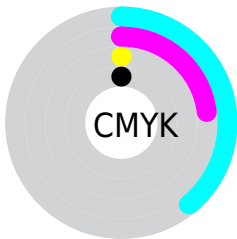
# Distribution



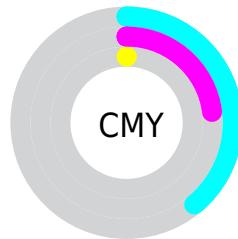
- Red (61%)
- Green (77%)
- Blue (100%)



- Red (61%)
- Yellow (73%)
- Blue (100%)



- Cyan (39%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)



- Cyan (39%)
- Magenta (23%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.2204, 0.2483, 0.2603 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 54.2204, 0.2483, 0.2603 by changing the saturation by 10% instead.





 54.2204, 0.2483,  
0.2603

 54.2204, 0.2483,  
0.2603


402.9499, 0.2789,  
0.2929

 38.7779, 0.2412,  
0.2527


 96.3978, 0.2590,  
0.2717

 26.5870, 0.2324,  
0.2434


 123.9014, 0.2632,  
0.2761

 17.2633, 0.2212,  
0.2315


156.1943, 0.2667,  
0.2799

 10.4224, 0.2066,  
0.2160

193.6607, 0.2698,  
0.2832

 5.6799, 0.1870,  
0.1952

236.6851, 0.2725,  
0.2861

 2.6514, 0.1595,  
0.1661

285.6518, 0.2749,

 0.9526, 0.1197,

0.2886

0.1243

340.9453, 0.2770,  
0.2909

0.0000, 0.0000,  
0.0000

54.2204, 0.2483,  
0.2603

54.2204, 0.2483,  
0.2603

45.4920, 0.2312,  
0.2386

64.1564, 0.2656,  
0.2805

37.9147, 0.2148,  
0.2160

75.3461, 0.2826,  
0.2991

31.4317, 0.1999,  
0.1929

87.8367, 0.2990,  
0.3158

25.9789, 0.1871,  
0.1702

100.0000, 0.3127,  
0.3290

21.4830, 0.1769,  
0.1487

■ 17.8463, 0.1694,  
0.1293

■ 17.4685, 0.1687,  
0.1271

# Harmonies

## Analogous

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



54.2204, 0.2333, 0.2768



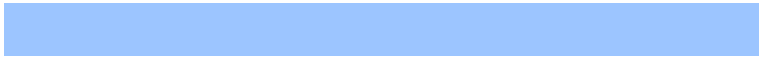
54.2204, 0.2483, 0.2603



54.2204, 0.2802, 0.2611

# Triad

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



54.2204, 0.2483, 0.2603



54.2204, 0.3942, 0.3394



54.2204, 0.2980, 0.3902

# Complementary

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



54.2204, 0.2483, 0.2603



71.7213, 0.3863, 0.3887

# 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.



54.2204, 0.3413, 0.4076



54.2204, 0.2483, 0.2603



54.2204, 0.3986, 0.3737

# Square

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



54.2204, 0.2483, 0.2603



54.2204, 0.3658, 0.3050



54.2204, 0.3786, 0.3997



54.2204, 0.2604, 0.3524



# Rectangle

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



54.2204, 0.2483, 0.2603



54.2204, 0.3082, 0.2703



54.2204, 0.3786, 0.3997



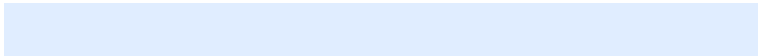
54.2204, 0.3124, 0.3988

# Sweetspot

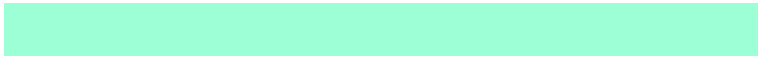
The Sweet Spot groups the original color and five complimentary colors.



54.2215, 0.2483, 0.2603



83.7491, 0.2939, 0.3107



83.4245, 0.2782, 0.3770



17.5721, 0.2918, 0.3085



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

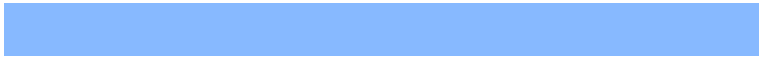


# Same Dimension

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



54.2215, 0.2483, 0.2603



47.0119, 0.2343, 0.2427



38.8955, 0.2462, 0.2115



18.6148, 0.2979, 0.3147



9.4055, 0.1695, 0.1302



1.1252, 0.1757, 0.1524



# Inverse Universe

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



49.0528, 0.3691, 0.2865



42.1256, 0.3869, 0.2778



93.6467, 0.3655, 0.4277



18.1120, 0.3229, 0.3192



11.6775, 0.5324, 0.2707

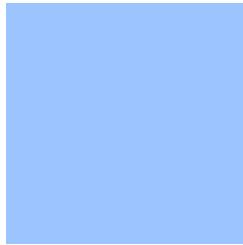


1.1581, 0.5028, 0.2544



# Previews

## White Background



This preview shows how the Yxy color 54.2204, 0.2483, 0.2603 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

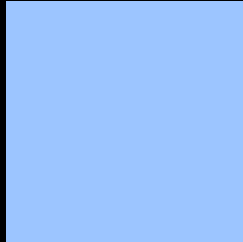
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.2204, 0.2483, 0.2603 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

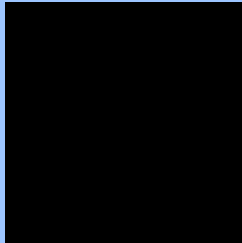
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

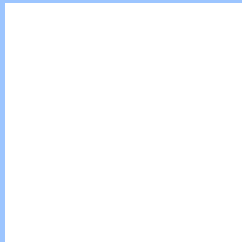
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 54.2204, 0.2483, 0.2603**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.2204, 0.2483, 0.2603.



This preview shows how white text looks on a background with the Yxy color 54.2204, 0.2483, 0.2603.

# 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

54.2204, 0.2483, 0.2603

### Protanopia

54.1293, 0.2631, 0.2608

### Deuteranopia

54.0653, 0.2614, 0.2557



## Tritanopia

54.0822, 0.2630, 0.3071

# Trichromacy



## Original Color

54.2204, 0.2483, 0.2603

## Protanomaly

54.1579, 0.2578, 0.2612

## Deuteranomaly

54.0179, 0.2566, 0.2571

## Tritanomaly

54.1405, 0.2572, 0.2890

# Monochromacy



## Original Color

54.2204, 0.2483, 0.2603

## Achromatopsia

52.0996, 0.3127, 0.3290

## Achromatomaly

52.4599, 0.2863, 0.3030

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.2204, 0.2483, 0.2603 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(156, 197, 255)` looks like.

```
.text, #text, p{  
    color:rgb(156, 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(156, 197, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 197, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 54.2204, 0.2483, 0.2603 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(156, 197, 255) }
```

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

```
.border{ border-color:rgb(156, 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(156, 197, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 197, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 197, 255);  
box-shadow:4px 4px 4px 4px rgb(156, 197,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.2204, 0.2483, 0.2603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 197, 255) }
```

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

```
.background{ background-color: rgb(156,  
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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