

# Converting Colors

$Y_{xy}(55.0160, 0.2443, 0.2666)$

Have a look what the booklet for  
Yxy(55.0160, 0.2443, 0.2666)  
contains.

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# Color

**Yxy(54.8849, 0.2441, 0.2664)**

# Conversions

## Conversions Part 1

Format	Color
Hex	91C9FD
RGB	145, 201, 253
RGB Percent	57%, 79%, 99%
CMY	0.4313, 0.2117, 0.0079
CMYK	0.43, 0.21, 0.00, 0.01
HSL	209°, 96%, 78%
HSV	209°, 43%, 99%
XYZ	50.2906, 54.8849, 100.8489
YIQ	190.1840, -50.0680, 4.3000

# Conversions

## Conversions Part 2

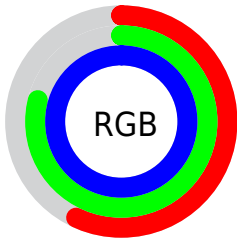
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">145, 182, 253</a>
Decimal	<a href="#">9554429</a>
CIELab	<a href="#">78.97, -4.97, -31.20</a>
CIELCh	<a href="#">79, 31.598, 260.956</a>
Yxy	<a href="#">54.8849, 0.2441, 0.2664</a>
Android (android.graphics.Color)	<a href="#">4287744509</a> ( <a href="#">0xFF91C9FD</a> )
YUV	<a href="#">190.1840, 30.9683, -39.6264</a>
Hunter-Lab	<a href="#">74.0843, -8.4767, -28.8508</a>

# Details

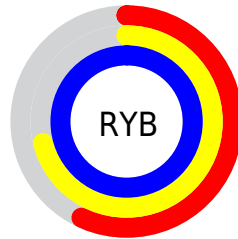
The Yxy color **54.8849, 0.2441, 0.2664** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.8449, 0.4001, 0.3835**, and the grayscale version is **51.4456, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2966, 0.2816, 0.3289**, and **26.9277, 0.2272, 0.2505** is the 20% darker color. If you saturate the color by 10%, you get **47.3845, 0.2286, 0.2484**, and if you desaturate by 10%, it is **63.3511, 0.2603, 0.2833**.

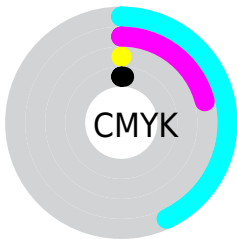
# Distribution



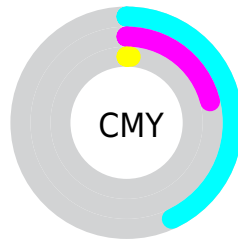
- Red (57%)
- Green (79%)
- Blue (99%)



- Red (57%)
- Yellow (71%)
- Blue (99%)



- Cyan (43%)
- Magenta (21%)
- Yellow (0%)
- Black (1%)




- Cyan (43%)
- Magenta (21%)
- Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.8849, 0.2441, 0.2664 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 54.8849, 0.2441, 0.2664 by changing the saturation by 10% instead.





 54.8849, 0.2441,  
0.2664

 54.8849, 0.2441,  
0.2664


405.4755, 0.2765,  
0.2964

 39.3096, 0.2366,  
0.2594

 97.3723, 0.2554,  
0.2770

 27.0006, 0.2274,  
0.2506


 125.0532, 0.2598,  
0.2810

 17.5737, 0.2157,  
0.2394


157.5380, 0.2636,  
0.2845

 10.6444, 0.2005,  
0.2248

195.2112, 0.2668,  
0.2876

 5.8282, 0.1801,  
0.2048

238.4571, 0.2697,  
0.2902

 2.7409, 0.1518,  
0.1765

287.6602, 0.2722,

 0.9980, 0.1113,

0.2925

0.1349

343.2049, 0.2745,  
0.2946

0.0000, 0.0000,  
0.0000

54.8849, 0.2441,  
0.2664

54.8849, 0.2441,  
0.2664

47.3845, 0.2286,  
0.2484

63.3511, 0.2603,  
0.2833

40.7991, 0.2142,  
0.2297

72.8181, 0.2767,  
0.2989

35.0812, 0.2014,  
0.2106

83.3265, 0.2929,  
0.3131

30.1753, 0.1909,  
0.1918

94.9122, 0.3086,  
0.3258

26.0158, 0.1827,  
0.1736

99.8702, 0.3139,  
0.3309

■ 23.3782, 0.1780,  
0.1609

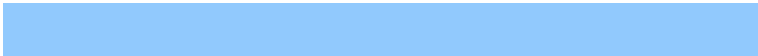
# Harmonies

## Analogous

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



54.8849, 0.2356, 0.2879



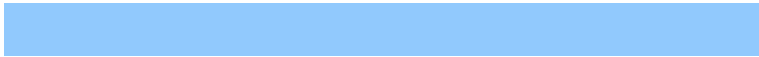
54.8849, 0.2441, 0.2664



54.8849, 0.2699, 0.2617

# Triad

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



54.8849, 0.2441, 0.2664



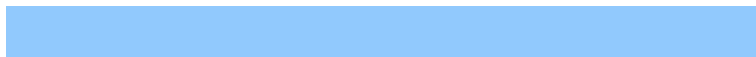
54.8849, 0.3840, 0.3279



54.8849, 0.3124, 0.3956

# Complementary

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



54.8849, 0.2441, 0.2664



62.8449, 0.4001, 0.3835

# 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.



54.8849, 0.3533, 0.4042



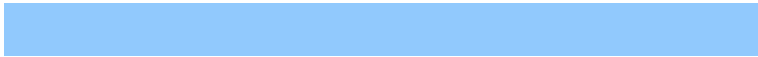
54.8849, 0.2441, 0.2664



54.8849, 0.3964, 0.3617

# Square

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



54.8849, 0.2441, 0.2664



54.8849, 0.3510, 0.2962



54.8849, 0.3845, 0.3902

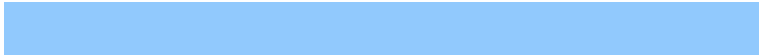


54.8849, 0.2733, 0.3647



# Rectangle

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



54.8849, 0.2441, 0.2664



54.8849, 0.2947, 0.2674



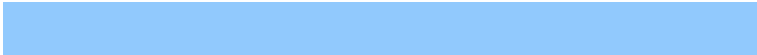
54.8849, 0.3845, 0.3902



54.8849, 0.3264, 0.4013

# Sweetspot

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



54.8870, 0.2441, 0.2664



84.4843, 0.2924, 0.3126



80.2127, 0.2817, 0.3985



17.5591, 0.2888, 0.3096



0.0000, 0.0000, 0.0000

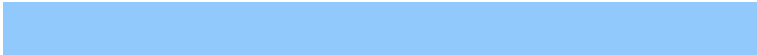


21.4041, 0.3127, 0.3290

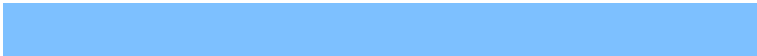


# Same Dimension

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



54.8870, 0.2441, 0.2664



49.4519, 0.2311, 0.2515



34.4822, 0.2331, 0.2005



18.9364, 0.2979, 0.3173



12.7329, 0.1788, 0.1637



1.4586, 0.1844, 0.1837



# Inverse Universe

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



45.3490, 0.3656, 0.2710



39.7382, 0.3810, 0.2605



90.9059, 0.3779, 0.4315



18.1444, 0.3212, 0.3167



12.0134, 0.4885, 0.2465

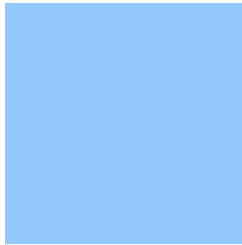


1.1918, 0.4641, 0.2331



# Previews

## White Background



This preview shows how the Yxy color 54.8849, 0.2441, 0.2664 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

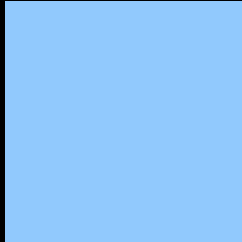
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.8849, 0.2441, 0.2664 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

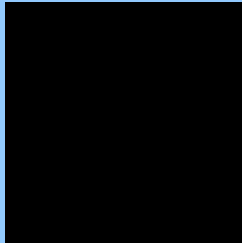
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

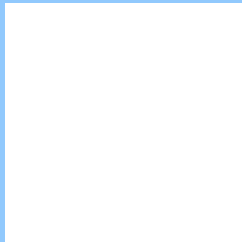
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 54.8849, 0.2441, 0.2664**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.8849, 0.2441, 0.2664.



This preview shows how white text looks on a background with the Yxy color 54.8849, 0.2441, 0.2664.

# 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

54.8849, 0.2441, 0.2664

### Protanopia

54.6791, 0.2676, 0.2664

### Deuteranopia

54.7430, 0.2628, 0.2571



## Tritanopia

54.7887, 0.2561, 0.3070

# Trichromacy



**Original Color**

54.8849, 0.2441, 0.2664

**Protanomaly**

54.6442, 0.2585, 0.2665

**Deuteranomaly**

54.5108, 0.2556, 0.2602

**Tritanomaly**

54.7017, 0.2516, 0.2912

# Monochromacy



**Original Color**

54.8849, 0.2441, 0.2664

**Achromatopsia**

51.4918, 0.3127, 0.3290

**Achromatomaly**

52.3863, 0.2841, 0.3052

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.8849, 0.2441, 0.2664 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(145, 201, 253)` looks like.

```
.text, #text, p{  
    color:rgb(145, 201, 253)  
}
```

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(145, 201, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 201, 253) }
```

## Border

The CSS property to change the border of an element to Yxy 54.8849, 0.2441, 0.2664 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(145, 201, 253) }
```

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

```
.border{ border-color:rgb(145, 201, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 201, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 201, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 201, 253);  
box-shadow:4px 4px 4px 4px rgb(145, 201,  
253) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.8849, 0.2441, 0.2664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 201, 253) }
```

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

```
.background{ background-color: rgb(145,  
201, 253) }
```

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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