

# Converting Colors

$Yxy(49.4870, 0.2277, 0.2526)$

Have a look what the booklet for  
Yxy(49.4870, 0.2277, 0.2526)  
contains.

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# Color

**Yxy(49.5855, 0.2278, 0.2529)**

# Conversions

## Conversions Part 1

Format	Color
Hex	75C2FF
RGB	117, 194, 255
RGB Percent	46%, 76%, 100%
CMY	0.5416, 0.2391, 0.0000
CMYK	0.54, 0.24, 0.00, 0.00
HSL	206°, 100%, 73%
HSV	206°, 54%, 100%
XYZ	44.6642, 49.5855, 101.8179
YIQ	177.9310, -65.4730, 2.6470

# Conversions

## Conversions Part 2

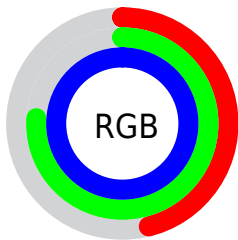
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	117, 166, 255
Decimal	7717631
CIE <sub>Lab</sub>	75.81, -7.02, -37.28
CIE <sub>LCh</sub>	76, 37.933, 259.328
Yxy	49.5855, 0.2278, 0.2529
Android (android.graphics.Color)	4285907711 (0xFF75C2FF)
YUV	177.9310, 37.9950, -53.4365
Hunter-Lab	70.4170, -10.0104, -36.4372

# Details

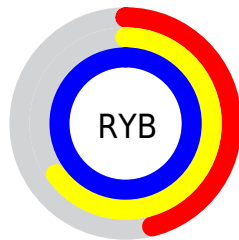
The Yxy color **49.5855, 0.2278, 0.2529** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **54.3208, 0.4348, 0.3915**, and the grayscale version is **44.2907, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9383, 0.2680, 0.3235**, and **23.8570, 0.2074, 0.2341** is the 20% darker color. If you saturate the color by 10%, you get **43.2341, 0.2142, 0.2357**, and if you desaturate by 10%, it is **56.8008, 0.2427, 0.2694**.

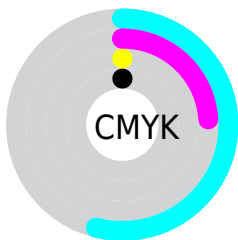
# Distribution



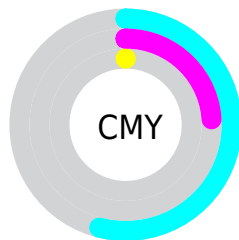
- Red (46%)
- Green (76%)
- Blue (100%)



- Red (46%)
- Yellow (65%)
- Blue (100%)



- Cyan (54%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)




- Cyan (54%)
- Magenta (24%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.5855, 0.2278, 0.2529 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 49.5855, 0.2278, 0.2529 by changing the saturation by 10% instead.




 49.5855, 0.2278,  
0.2529

 49.5855, 0.2278,  
0.2529


385.0428, 0.2681,  
0.2898

 35.0842, 0.2185,  
0.2442


 89.5604, 0.2419,  
0.2660

 23.7277, 0.2070,  
0.2334


 115.8028, 0.2474,  
0.2710

 15.1318, 0.1926,  
0.2195


 146.7277, 0.2520,  
0.2753

 8.9119, 0.1740,  
0.2015

182.7194, 0.2561,  
0.2790

 4.6838, 0.1494,  
0.1771

224.1624, 0.2597,  
0.2822

 2.0629, 0.1165,  
0.1435

271.4410, 0.2628,

 0.6437, 0.0647,

0.2850

0.0947

324.9397, 0.2656,  
0.2876

0.0000, 0.0000,  
0.0000

49.5855, 0.2278,  
0.2529

49.5855, 0.2278,  
0.2529

43.2341, 0.2142,  
0.2357

56.8008, 0.2427,  
0.2694

37.6929, 0.2024,  
0.2183

64.9183, 0.2584,  
0.2850

32.9083, 0.1927,  
0.2010

73.9798, 0.2745,  
0.2994

28.8143, 0.1853,  
0.1842

84.0227, 0.2905,  
0.3125

26.6932, 0.1819,  
0.1747

95.0817, 0.3063,  
0.3244

99.9996, 0.3127,  
0.3290

# Harmonies

## Analogous

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



49.5855, 0.2188, 0.2793



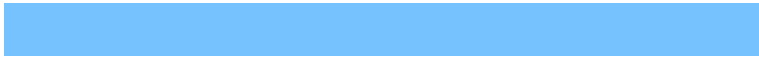
49.5855, 0.2278, 0.2529



49.5855, 0.2577, 0.2469

# Triad

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



49.5855, 0.2278, 0.2529



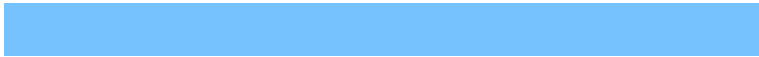
49.5855, 0.3999, 0.3244



49.5855, 0.3142, 0.4146

# Complementary

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



49.5855, 0.2278, 0.2529



54.3208, 0.4348, 0.3915

# 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.



49.5855, 0.3645, 0.4224



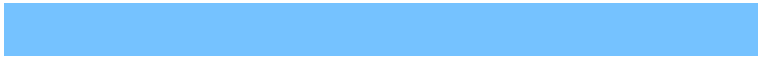
49.5855, 0.2278, 0.2529



49.5855, 0.4166, 0.3654

# Square

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



49.5855, 0.2278, 0.2529



49.5855, 0.3572, 0.2869



49.5855, 0.4026, 0.4018

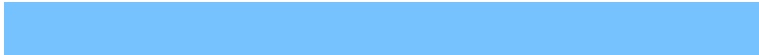


49.5855, 0.2659, 0.3764



# Rectangle

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



49.5855, 0.2278, 0.2529



49.5855, 0.2873, 0.2533



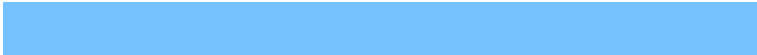
49.5855, 0.4026, 0.4018



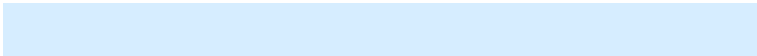
49.5855, 0.3314, 0.4208

# Sweetspot

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



49.5873, 0.2278, 0.2529



82.1083, 0.2876, 0.3102



78.4527, 0.2781, 0.4279



17.1227, 0.2843, 0.3076



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.



49.5873, 0.2278, 0.2529



42.7429, 0.2132, 0.2343



25.9371, 0.2096, 0.1656



19.0608, 0.2979, 0.3182



14.2513, 0.1826, 0.1774



1.6055, 0.1878, 0.1961



# Inverse Universe

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



37.8493, 0.3809, 0.2515



31.8168, 0.4017, 0.2400



88.3214, 0.3957, 0.4520



18.1570, 0.3206, 0.3158



12.1666, 0.4717, 0.2372



1.2066, 0.4497, 0.2251



# Previews

## White Background



This preview shows how the Yxy color 49.5855, 0.2278, 0.2529 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

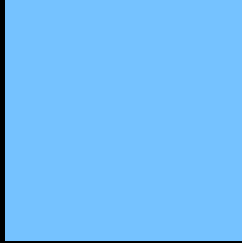
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.5855, 0.2278, 0.2529 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

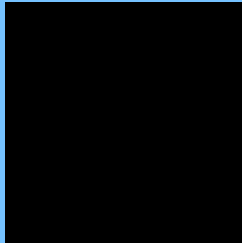
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

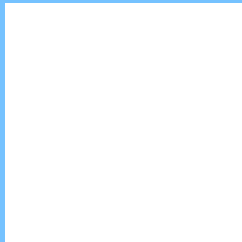
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 49.5855, 0.2278, 0.2529**

## **Background**



This preview shows how black text looks on a background with the Yxy color 49.5855, 0.2278, 0.2529.



This preview shows how white text looks on a background with the Yxy color 49.5855, 0.2278, 0.2529.

# 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

49.5855, 0.2278, 0.2529

### Protanopia

49.3212, 0.2578, 0.2539

### Deuteranopia

49.3935, 0.2508, 0.2453



## Tritanopia

49.6666, 0.2410, 0.3069

# Trichromacy



**Original Color**

49.5855, 0.2278, 0.2529

**Protanomaly**

49.2581, 0.2451, 0.2535

**Deuteranomaly**

49.3895, 0.2415, 0.2481

**Tritanomaly**

49.3458, 0.2357, 0.2850

# Monochromacy



**Original Color**

49.5855, 0.2278, 0.2529

**Achromatopsia**

44.5201, 0.3127, 0.3290

**Achromatomaly**

45.8051, 0.2748, 0.2997

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  49.5855, 0.2278, 0.2529 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(117, 194, 255)` looks like.

```
.text, #text, p{  
    color:rgb(117, 194, 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(117, 194, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 194, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 49.5855, 0.2278, 0.2529 is called "border". The border property can be set on classes, ids or directly on the HTML element.

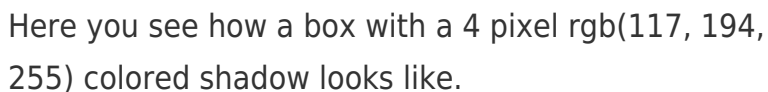
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 194, 255) }
```

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

```
.border{ border-color:rgb(117, 194, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 194, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 194, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 194, 255); box-shadow:4px 4px 4px 4px rgb(117, 194, 255) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.5855, 0.2278, 0.2529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 194, 255) }
```

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

```
.background{ background-color: rgb(117,  
194, 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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