

# Converting Colors

$Yxy(57.2138, 0.2424, 0.2736)$

Have a look what the booklet for  
Yxy(57.2138, 0.2424, 0.2736)  
contains.

<b>Yxy(57.2065, 0.2423, 0.2735)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(57.2065, 0.2423, 0.2735)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8BCFFD
RGB	139, 207, 253
RGB Percent	55%, 81%, 99%
CMY	0.4551, 0.1882, 0.0079
CMYK	0.45, 0.18, 0.00, 0.01
HSL	204°, 97%, 77%
HSV	204°, 45%, 99%
XYZ	50.6806, 57.2065, 101.2775
YIQ	191.9120, -55.2940, -0.1100

# Conversions

## Conversions Part 2

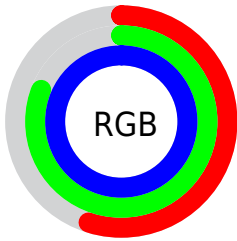
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	139, 182, 253
Decimal	9162749
CIE Lab	80.30, -9.62, -29.20
CIE LCh	80, 30.746, 251.773
Yxy	57.2065, 0.2423, 0.2735
Android (android.graphics.Color)	4287352829 (0xFF8BCFFD)
YUV	191.9120, 30.1164, -46.4038
Hunter-Lab	75.6350, -12.7541, -26.4466

# Details

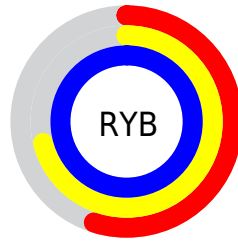
The Yxy color **57.2065, 0.2423, 0.2735** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **57.4036, 0.4109, 0.3774**, and the grayscale version is **52.4989, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6103, 0.2789, 0.3289**, and **28.5173, 0.2256, 0.2600** is the 20% darker color. If you saturate the color by 10%, you get **50.4949, 0.2280, 0.2585**, and if you desaturate by 10%, it is **64.7452, 0.2575, 0.2877**.

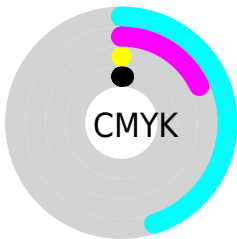
# Distribution



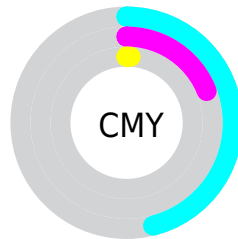
- Red (55%)
- Green (81%)
- Blue (99%)



- Red (55%)
- Yellow (71%)
- Blue (99%)



- Cyan (45%)
- Magenta (18%)
- Yellow (0%)
- Black (1%)




- Cyan (46%)
- Magenta (19%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.2065, 0.2423, 0.2735 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 57.2065, 0.2423, 0.2735 by changing the saturation by 10% instead.





 57.2065, 0.2423,  
0.2735

 57.2065, 0.2423,  
0.2735

414.2226, 0.2753,  
0.3003

 41.1711, 0.2348,  
0.2672


 100.7664, 0.2538,  
0.2830

 28.4528, 0.2255,  
0.2593


 129.0597, 0.2582,  
0.2866

 18.6672, 0.2138,  
0.2492


162.2077, 0.2620,  
0.2897

 11.4301, 0.1986,  
0.2359

200.5949, 0.2654,  
0.2924

 6.3569, 0.1784,  
0.2177

244.6055, 0.2683,  
0.2947

 3.0633, 0.1505,  
0.1915

294.6241, 0.2709,

 1.1649, 0.1109,

0.2968

0.1523

351.0350, 0.2732,  
0.2986

0.0327, 0.0000,  
0.0126

0.0000, 0.0000,  
0.0000

57.2065, 0.2423,  
0.2735

57.2065, 0.2423,  
0.2735

50.4949, 0.2280,  
0.2585

64.7452, 0.2575,  
0.2877

44.5628, 0.2152,  
0.2429

73.1424, 0.2733,  
0.3009

39.3664, 0.2041,  
0.2270

82.4349, 0.2892,  
0.3130

34.8530, 0.1951,  
0.2112

92.6556, 0.3049,  
0.3239

■ 30.9588, 0.1884,  
0.1959

99.8703, 0.3139,  
0.3309

■ 29.2247, 0.1857,  
0.1885

# Harmonies

## Analogous

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



57.2065, 0.2396, 0.2989



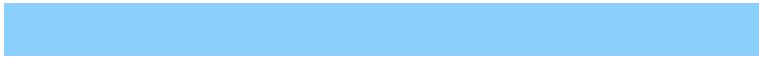
57.2065, 0.2423, 0.2735



57.2065, 0.2624, 0.2639

# Triad

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



57.2065, 0.2423, 0.2735



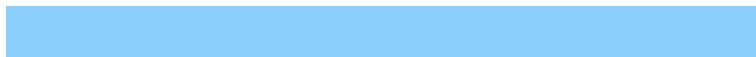
57.2065, 0.3731, 0.3182



57.2065, 0.3249, 0.3978

# Complementary

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



57.2065, 0.2423, 0.2735



57.4036, 0.4109, 0.3774

# 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.



57.2065, 0.3624, 0.3991



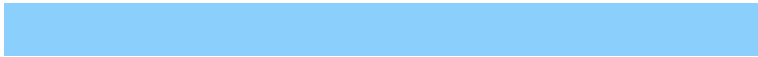
57.2065, 0.2423, 0.2735



57.2065, 0.3918, 0.3508

# Square

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



57.2065, 0.2423, 0.2735



57.2065, 0.3374, 0.2895



57.2065, 0.3875, 0.3806

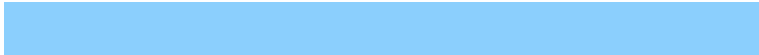


57.2065, 0.2856, 0.3740



# Rectangle

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



57.2065, 0.2423, 0.2735



57.2065, 0.2840, 0.2664



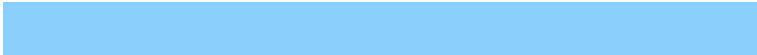
57.2065, 0.3875, 0.3806



57.2065, 0.3381, 0.4008

# Sweetspot

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



57.2087, 0.2423, 0.2735



85.0064, 0.2908, 0.3142



79.2044, 0.2841, 0.4131



17.7362, 0.2874, 0.3117



0.0000, 0.0000, 0.0000

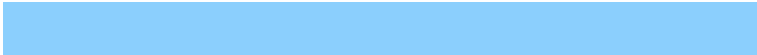


21.4041, 0.3127, 0.3290

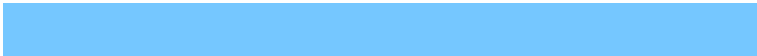


# Same Dimension

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



57.2087, 0.2423, 0.2735



52.0976, 0.2295, 0.2601



34.5027, 0.2296, 0.2014



19.1811, 0.2979, 0.3192



15.8432, 0.1864, 0.1909



1.7570, 0.1912, 0.2082



# Inverse Universe

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



43.8364, 0.3606, 0.2592



38.1991, 0.3746, 0.2467



85.9913, 0.3844, 0.4305



18.1691, 0.3200, 0.3149



12.3273, 0.4557, 0.2284

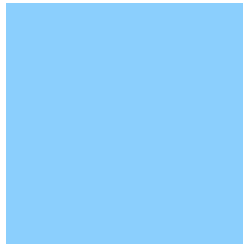


1.2219, 0.4361, 0.2176



# Previews

## White Background



This preview shows how the Yxy color 57.2065, 0.2423, 0.2735 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

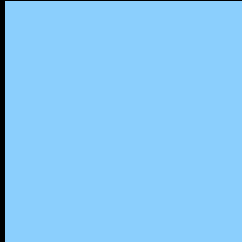
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.2065, 0.2423, 0.2735 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

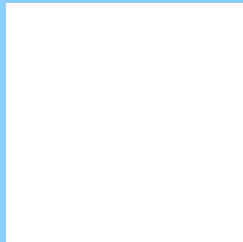
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 57.2065, 0.2423, 0.2735**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.2065, 0.2423, 0.2735.

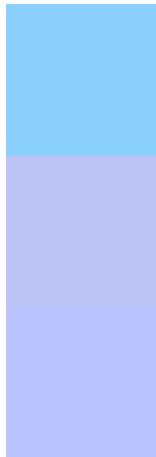


This preview shows how white text looks on a background with the Yxy color 57.2065, 0.2423, 0.2735.

# 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

57.2065, 0.2423, 0.2735

### Protanopia

56.6372, 0.2731, 0.2727

### Deuteranopia

56.8150, 0.2671, 0.2614



## Tritanopia

57.0955, 0.2519, 0.3072

# Trichromacy



## Original Color

57.2065, 0.2423, 0.2735

## Protanomaly

56.6319, 0.2608, 0.2727

## Deuteranomaly

56.5487, 0.2574, 0.2652

## Tritanomaly

57.3585, 0.2487, 0.2952

# Monochromacy



## Original Color

57.2065, 0.2423, 0.2735

## Achromatopsia

52.7115, 0.3127, 0.3290

## Achromatomaly

53.6718, 0.2829, 0.3078

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  57.2065, 0.2423, 0.2735 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(139, 207, 253)` looks like.

```
.text, #text, p{  
    color:rgb(139, 207, 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(139, 207, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 207, 253) }
```

## Border

The CSS property to change the border of an element to Yxy 57.2065, 0.2423, 0.2735 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(139, 207, 253) }
```

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

```
.border{ border-color:rgb(139, 207, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 207, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(139, 207, 253); -webkit-box-shadow:4px 4px 4px 4px rgb(139, 207, 253); box-shadow:4px 4px 4px 4px rgb(139, 207, 253) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.2065, 0.2423, 0.2735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 207, 253) }
```

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

```
.background{ background-color: rgb(139,  
207, 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](#).

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