

# Converting Colors

$Yxy(54.8634, 0.2348, 0.2511)$

Have a look what the booklet for  
Yxy(54.8634, 0.2348, 0.2511)  
contains.

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# Color

**Yxy(54.0175, 0.2398, 0.2625)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8BC8FF
RGB	139, 200, 255
RGB Percent	55%, 78%, 100%
CMY	0.4550, 0.2156, 0.0001
CMYK	0.45, 0.22, 0.00, 0.00
HSL	208°, 100%, 77%
HSV	208°, 45%, 100%
XYZ	49.3463, 54.0175, 102.4172
YIQ	188.0310, -54.0110, 4.1730

# Conversions

## Conversions Part 2

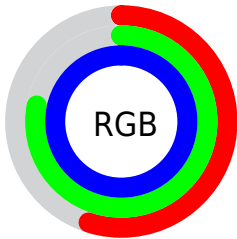
Format	Color
R <sub>Y</sub> B	139, 179, 255
Decimal	9160959
CIE Lab	78.47, -5.35, -33.08
CIE LCh	78, 33.507, 260.819
Yxy	54.0175, 0.2398, 0.2625
Android (android.graphics.Color)	4287351039 (0xFF8BC8FF)
YUV	188.0310, 33.0157, -43.0002
Hunter-Lab	73.4966, -8.7726, -31.1727

# Details

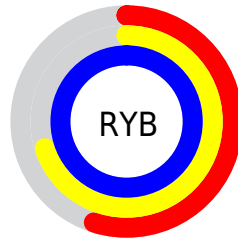
The Yxy color **54.0175, 0.2398, 0.2625** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **61.6827, 0.4080, 0.3861**, and the grayscale version is **50.1385, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6103, 0.2789, 0.3289**, and **26.3843, 0.2220, 0.2454** is the 20% darker color. If you saturate the color by 10%, you get **46.6969, 0.2246, 0.2446**, and if you desaturate by 10%, it is **62.2963, 0.2558, 0.2794**.

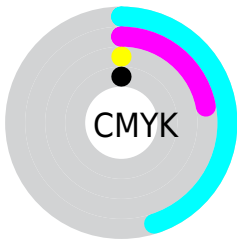
# Distribution



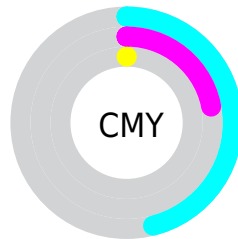
- Red (55%)
- Green (78%)
- Blue (100%)



- Red (55%)
- Yellow (70%)
- Blue (100%)



- Cyan (45%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)




- Cyan (46%)
- Magenta (22%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.0175, 0.2398, 0.2625 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 54.0175, 0.2398, 0.2625 by changing the saturation by 10% instead.





 54.0175, 0.2398,  
0.2625


 54.0175, 0.2398,  
0.2625


402.1767, 0.2742,  
0.2944

 38.6157, 0.2319,  
0.2550


 96.0999, 0.2518,  
0.2737

 26.4609, 0.2221,  
0.2457


 123.5493, 0.2565,  
0.2781

 17.1687, 0.2097,  
0.2339


155.7833, 0.2605,  
0.2818

 10.3549, 0.1937,  
0.2184

193.1864, 0.2640,  
0.2850

 5.6349, 0.1723,  
0.1974

236.1429, 0.2670,  
0.2878

 2.6244, 0.1429,  
0.1678

285.0371, 0.2697,

 0.9389, 0.1014,

0.2903

0.1251

340.2536, 0.2721,  
0.2925

0.0000, 0.0000,  
0.0000

54.0175, 0.2398,  
0.2625

54.0175, 0.2398,  
0.2625

46.6969, 0.2246,  
0.2446

62.2963, 0.2558,  
0.2794

40.2822, 0.2108,  
0.2260

71.5696, 0.2721,  
0.2952

34.7240, 0.1987,  
0.2072

81.8790, 0.2884,  
0.3095

29.9637, 0.1889,  
0.1888

93.2614, 0.3042,  
0.3225

25.9310, 0.1815,  
0.1711

99.9988, 0.3127,  
0.3290

■ 24.3101, 0.1787,  
0.1634

# Harmonies

## Analogous

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



54.0175, 0.2309, 0.2851



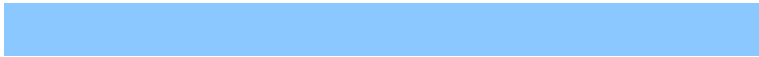
54.0175, 0.2398, 0.2625



54.0175, 0.2670, 0.2576

# Triad

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



54.0175, 0.2398, 0.2625



54.0175, 0.3887, 0.3274



54.0175, 0.3124, 0.4005

# Complementary

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



54.0175, 0.2398, 0.2625



61.6827, 0.4080, 0.3861

# 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.



54.0175, 0.3559, 0.4093



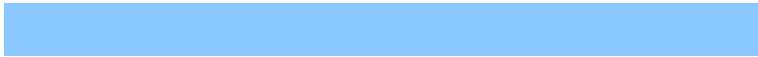
54.0175, 0.2398, 0.2625



54.0175, 0.4019, 0.3632

# Square

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



54.0175, 0.2398, 0.2625



54.0175, 0.3533, 0.2940



54.0175, 0.3892, 0.3938

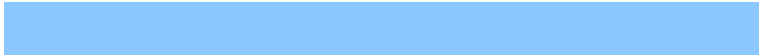


54.0175, 0.2708, 0.3673



# Rectangle

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



54.0175, 0.2398, 0.2625



54.0175, 0.2932, 0.2637



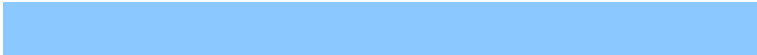
54.0175, 0.3892, 0.3938



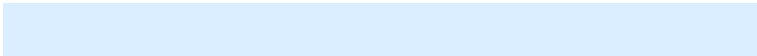
54.0175, 0.3272, 0.4064

# Sweetspot

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



54.0195, 0.2398, 0.2625



83.5235, 0.2908, 0.3115



80.8513, 0.2801, 0.4041



17.3747, 0.2873, 0.3086



0.0000, 0.0000, 0.0000

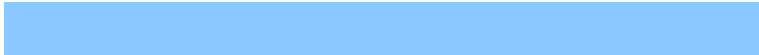


21.4041, 0.3127, 0.3290

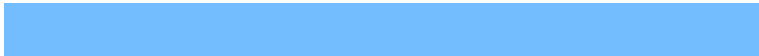


# Same Dimension

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



54.0195, 0.2398, 0.2625



47.0442, 0.2253, 0.2455



32.3054, 0.2270, 0.1905



18.9596, 0.2979, 0.3174



13.0061, 0.1795, 0.1662



1.4852, 0.1850, 0.1860



# Inverse Universe

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



43.8870, 0.3697, 0.2665



37.1186, 0.3877, 0.2548



92.1866, 0.3819, 0.4378



18.1468, 0.3211, 0.3166



12.0409, 0.4854, 0.2447

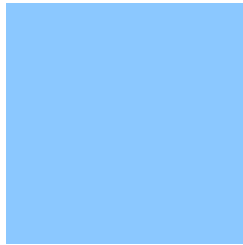


1.1945, 0.4614, 0.2315



# Previews

## White Background



This preview shows how the Yxy color 54.0175, 0.2398, 0.2625 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

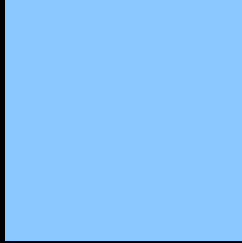
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.0175, 0.2398, 0.2625 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

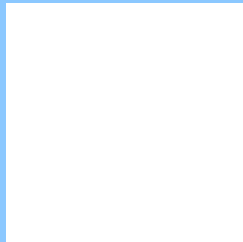
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 54.0175, 0.2398, 0.2625**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.0175, 0.2398, 0.2625.



This preview shows how white text looks on a background with the Yxy color 54.0175, 0.2398, 0.2625.

# 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

54.0175, 0.2398, 0.2625

### Protanopia

53.6849, 0.2648, 0.2617

### Deuteranopia

53.9466, 0.2607, 0.2555



## Tritanopia

54.0837, 0.2523, 0.3080

# Trichromacy



**Original Color**

54.0175, 0.2398, 0.2625

**Protanomaly**

53.4411, 0.2546, 0.2616

**Deuteranomaly**

53.6961, 0.2525, 0.2575

**Tritanomaly**

54.1128, 0.2478, 0.2908

# Monochromacy



**Original Color**

54.0175, 0.2398, 0.2625

**Achromatopsia**

50.2886, 0.3127, 0.3290

**Achromatomaly**

50.9988, 0.2817, 0.3037

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  54.0175, 0.2398, 0.2625 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, 200, 255)` looks like.

```
.text, #text, p{  
  color:rgb(139, 200, 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(139, 200, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 200, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 54.0175, 0.2398, 0.2625 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, 200, 255) }
```

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

```
.border{ border-color:rgb(139, 200, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 200, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 200, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 200, 255);  
box-shadow:4px 4px 4px 4px rgb(139, 200,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.0175, 0.2398, 0.2625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 200, 255) }
```

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

```
.background{ background-color: rgb(139,  
200, 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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