

# Converting Colors

$Yxy(53.5746, 0.2358, 0.2625)$

Have a look what the booklet for  
Yxy(53.5746, 0.2358, 0.2625)  
contains.

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# Color

**Yxy(53.8186, 0.2361, 0.2631)**

# Conversions

## Conversions Part 1

Format	Color
Hex	83C9FF
RGB	131, 201, 255
RGB Percent	51%, 79%, 100%
CMY	0.4862, 0.2117, 0.0000
CMYK	0.49, 0.21, 0.00, 0.00
HSL	206°, 100%, 76%
HSV	206°, 49%, 100%
XYZ	48.2956, 53.8186, 102.4415
YIQ	186.2260, -59.0540, 1.9540

# Conversions

## Conversions Part 2

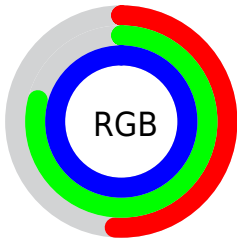
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	131, 176, 255
Decimal	8636927
CIE <sub>Lab</sub>	78.36, -7.72, -33.29
CIE <sub>LCh</sub>	78, 34.176, 256.948
Yxy	53.8186, 0.2361, 0.2631
Android (android.graphics.Color)	4286827007 (0xFF83C9FF)
YUV	186.2260, 33.9056, -48.4332
Hunter-Lab	73.3612, -10.8708, -31.4397

# Details

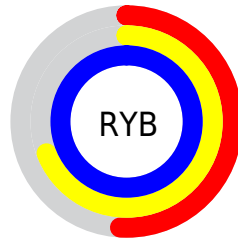
The Yxy color **53.8186, 0.2361, 0.2631** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **57.5925, 0.4191, 0.3851**, and the grayscale version is **49.0690, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5588, 0.2747, 0.3289**, and **26.2842, 0.2175, 0.2461** is the 20% darker color. If you saturate the color by 10%, you get **47.0377, 0.2218, 0.2465**, and if you desaturate by 10%, it is **61.4787, 0.2514, 0.2789**.

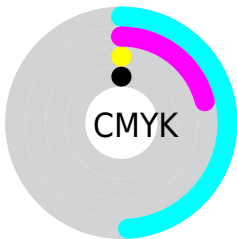
# Distribution



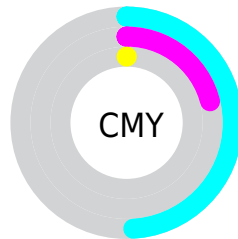
- Red (51%)
- Green (79%)
- Blue (100%)



- Red (51%)
- Yellow (69%)
- Blue (100%)



- Cyan (49%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (49%)
- Magenta (21%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.8186, 0.2361, 0.2631 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 53.8186, 0.2361, 0.2631 by changing the saturation by 10% instead.



■ 53.8186, 0.2361,  
0.2631

■ 53.8186, 0.2361,  
0.2631

401.4179, 0.2722,  
0.2949

■ 38.4567, 0.2278,  
0.2556

■ 95.8078, 0.2487,  
0.2743

■ 26.3373, 0.2176,  
0.2463

■ 123.2039, 0.2536,  
0.2786

■ 17.0761, 0.2047,  
0.2344

■ 155.3802, 0.2578,  
0.2823

■ 10.2888, 0.1881,  
0.2188

192.7210, 0.2614,  
0.2855

■ 5.5909, 0.1660,  
0.1976

235.6108, 0.2646,  
0.2883

■ 2.5979, 0.1358,  
0.1678

284.4340, 0.2674,

■ 0.9256, 0.0930,

0.2908

0.1247

339.5749, 0.2699,  
0.2929

0.0000, 0.0000,  
0.0000

53.8186, 0.2361,  
0.2631

53.8186, 0.2361,  
0.2631

47.0377, 0.2218,  
0.2465

61.4787, 0.2514,  
0.2789

41.0846, 0.2091,  
0.2294

70.0531, 0.2673,  
0.2936

35.9106, 0.1982,  
0.2122

79.5821, 0.2834,  
0.3071

31.4568, 0.1896,  
0.1953

90.1011, 0.2993,  
0.3194

27.6425, 0.1833,  
0.1791

99.9994, 0.3127,  
0.3290

■ 27.1536, 0.1825,  
0.1769

# Harmonies

## Analogous

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



53.8186, 0.2296, 0.2884



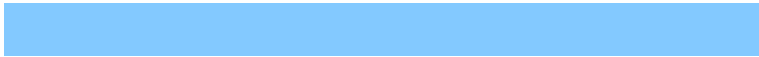
53.8186, 0.2361, 0.2631



53.8186, 0.2615, 0.2559

# Triad

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



53.8186, 0.2361, 0.2631



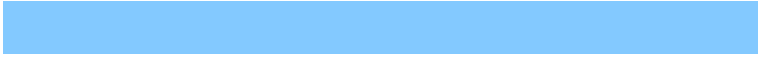
53.8186, 0.3867, 0.3226



53.8186, 0.3182, 0.4048

# Complementary

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



53.8186, 0.2361, 0.2631



57.5925, 0.4191, 0.3851

# 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.



53.8186, 0.3619, 0.4102



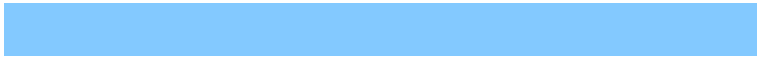
53.8186, 0.2361, 0.2631



53.8186, 0.4036, 0.3592

# Square

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



53.8186, 0.2361, 0.2631



53.8186, 0.3484, 0.2895



53.8186, 0.3938, 0.3916

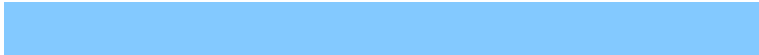


53.8186, 0.2748, 0.3736



# Rectangle

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



53.8186, 0.2361, 0.2631



53.8186, 0.2872, 0.2607



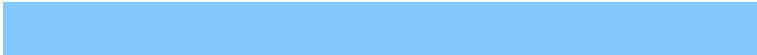
53.8186, 0.3938, 0.3916



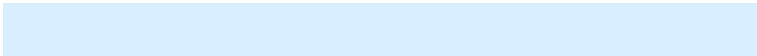
53.8186, 0.3333, 0.4097

# Sweetspot

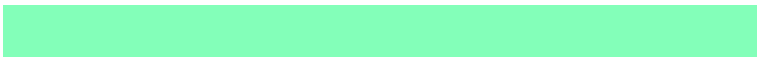
The Sweet Spot groups the original color and five complimentary colors.



53.8206, 0.2361, 0.2631



83.2834, 0.2892, 0.3117



79.8315, 0.2805, 0.4158



17.3625, 0.2858, 0.3091



0.0000, 0.0000, 0.0000

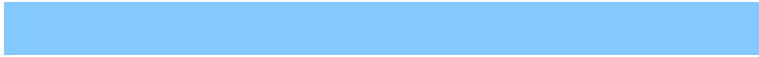


21.4041, 0.3127, 0.3290

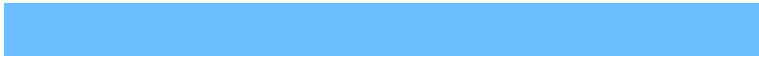


# Same Dimension

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



53.8206, 0.2361, 0.2631



47.4391, 0.2227, 0.2476



30.5897, 0.2212, 0.1845



19.0796, 0.2979, 0.3184



14.4921, 0.1832, 0.1795



1.6285, 0.1884, 0.1980



# Inverse Universe

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



41.7101, 0.3703, 0.2578



35.5402, 0.3869, 0.2462



89.2507, 0.3880, 0.4411



18.1589, 0.3205, 0.3157



12.1910, 0.4691, 0.2358

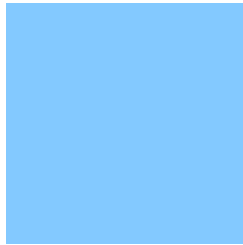


1.2089, 0.4475, 0.2239



# Previews

## White Background



This preview shows how the Yxy color 53.8186, 0.2361, 0.2631 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

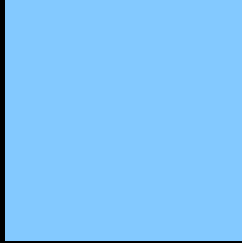
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.8186, 0.2361, 0.2631 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

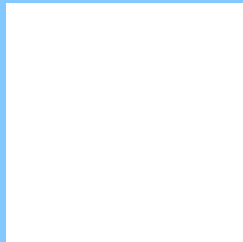
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 53.8186, 0.2361, 0.2631**

## Background



This preview shows how black text looks on a background with the Yxy color 53.8186, 0.2361, 0.2631.



This preview shows how white text looks on a background with the Yxy color 53.8186, 0.2361, 0.2631.

# 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

53.8186, 0.2361, 0.2631

### Protanopia

53.5039, 0.2647, 0.2626

### Deuteranopia

53.3940, 0.2599, 0.2542



## Tritanopia

54.0183, 0.2480, 0.3078

# Trichromacy



**Original Color**

53.8186, 0.2361, 0.2631

**Protanomaly**

53.5723, 0.2530, 0.2625

**Deuteranomaly**

53.2772, 0.2501, 0.2570

**Tritanomaly**

54.0208, 0.2435, 0.2905

# Monochromacy



**Original Color**

53.8186, 0.2361, 0.2631

**Achromatopsia**

49.1021, 0.3127, 0.3290

**Achromatomaly**

50.0717, 0.2794, 0.3034

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.8186, 0.2361, 0.2631 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(131, 201, 255)` looks like.

```
.text, #text, p{  
    color:rgb(131, 201, 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(131, 201, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 201, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 53.8186, 0.2361, 0.2631 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(131, 201, 255) }
```

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

```
.border{ border-color:rgb(131, 201, 255) }
```

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

Here you see how a box with a 4 pixel rgb(131, 201, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 201, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 201, 255);  
box-shadow:4px 4px 4px 4px rgb(131, 201,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.8186, 0.2361, 0.2631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 201, 255) }
```

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

```
.background{ background-color: rgb(131,  
201, 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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