

# Converting Colors

$Yxy(53.7746, 0.2578, 0.2562)$

Have a look what the booklet for  
Yxy(53.7746, 0.2578, 0.2562)  
contains.

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# Color

**Yxy(53.8035, 0.2577, 0.2561)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ADC0FF
RGB	173, 192, 255
RGB Percent	68%, 75%, 100%
CMY	0.3214, 0.2471, 0.0000
CMYK	0.32, 0.25, 0.00, 0.00
HSL	226°, 100%, 84%
HSV	226°, 32%, 100%
XYZ	54.1396, 53.8035, 102.1447
YIQ	193.5010, -31.5470, 15.5650

# Conversions

## Conversions Part 2

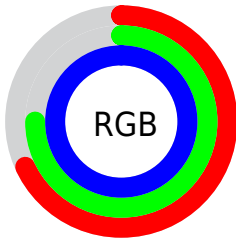
Format	Color
<a href="#">RYB</a>	<a href="#">173, 188, 255</a>
Decimal	<a href="#">11387135</a>
CIELab	<a href="#">78.35, 7.80, -33.12</a>
CIElCh	<a href="#">78, 34.026, 283.260</a>
Yxy	<a href="#">53.8035, 0.2577, 0.2561</a>
Android (android.graphics.Color)	<a href="#">4289577215 (0xFFADC0FF)</a>
YUV	<a href="#">193.5010, 30.3190, -17.9794</a>
Hunter-Lab	<a href="#">73.3509, 3.3853, -31.2187</a>

# Details

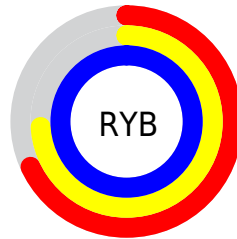
The Yxy color **53.8035, 0.2577, 0.2561** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **84.2949, 0.3669, 0.3925**, and the grayscale version is **53.4747, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1778, 0.2975, 0.3220**, and **26.3940, 0.2436, 0.2391** is the 20% darker color. If you saturate the color by 10%, you get **43.1271, 0.2385, 0.2286**, and if you desaturate by 10%, it is **66.1843, 0.2762, 0.2816**.

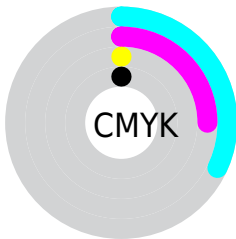
# Distribution



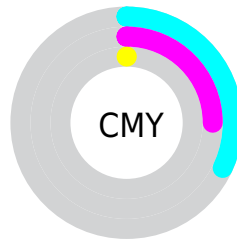
- Red (68%)
- Green (75%)
- Blue (100%)



- Red (68%)
- Yellow (74%)
- Blue (100%)



- Cyan (32%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (32%)
- Magenta (25%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.8035, 0.2577, 0.2561 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 53.8035, 0.2577, 0.2561 by changing the saturation by 10% instead.



■ 53.8035, 0.2577,  
0.2561

■ 53.8035, 0.2577,  
0.2561

401.3603, 0.2841,  
0.2903

■ 38.4446, 0.2515,  
0.2483

■ 95.7857, 0.2670,  
0.2680

■ 26.3279, 0.2438,  
0.2386

123.1777, 0.2706,  
0.2726

■ 17.0691, 0.2339,  
0.2264

155.3496, 0.2737,  
0.2766

■ 10.2838, 0.2209,  
0.2106

192.6857, 0.2763,  
0.2801

■ 5.5875, 0.2031,  
0.1895

235.5704, 0.2787,  
0.2831

■ 2.5959, 0.1778,  
0.1603

284.3881, 0.2807,

■ 0.9246, 0.1401,

0.2858

0.1189

339.5233, 0.2825,  
0.2882

0.0000, 0.0063,  
0.0000

0.0000, 0.0000,  
0.0000

53.8035, 0.2577,  
0.2561

53.8035, 0.2577,  
0.2561

43.1271, 0.2385,  
0.2286

66.1843, 0.2762,  
0.2816

34.0738, 0.2193,  
0.1996

80.3365, 0.2935,  
0.3045

26.5622, 0.2009,  
0.1703

96.3289, 0.3095,  
0.3250

20.5020, 0.1845,  
0.1421

100.0000, 0.3127,  
0.3290

■ 15.7923, 0.1710,  
0.1166

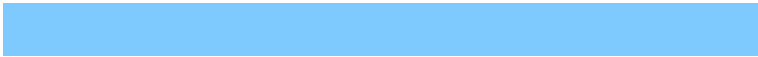
■ 12.3175, 0.1613,  
0.0955

■ 10.3454, 0.1562,  
0.0824

# Harmonies

## Analogous

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



53.8035, 0.2345, 0.2655



53.8035, 0.2577, 0.2561



53.8035, 0.2965, 0.2639

# Triad

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



53.8035, 0.2577, 0.2561



53.8035, 0.4026, 0.3547



53.8035, 0.2799, 0.3783

# Complementary

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



53.8035, 0.2577, 0.2561



84.2949, 0.3669, 0.3925

# 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.



53.8035, 0.3237, 0.4066



53.8035, 0.2577, 0.2561



53.8035, 0.3960, 0.3879

# Square

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



53.8035, 0.2577, 0.2561



53.8035, 0.3826, 0.3183



53.8035, 0.3665, 0.4087



53.8035, 0.2464, 0.3345



# Rectangle

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



53.8035, 0.2577, 0.2561



53.8035, 0.3272, 0.2773



53.8035, 0.3665, 0.4087



53.8035, 0.2938, 0.3903

# Sweetspot

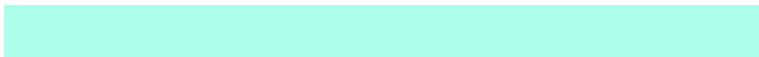
The Sweet Spot groups the original color and five complimentary colors.



53.8051, 0.2577, 0.2561



83.6050, 0.2971, 0.3091



86.4575, 0.2759, 0.3501



17.4338, 0.2948, 0.3061



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.



53.8051, 0.2577, 0.2561



46.3034, 0.2446, 0.2374



48.7097, 0.2703, 0.2373



18.0593, 0.2979, 0.3102



5.5913, 0.1569, 0.0848



0.7018, 0.1625, 0.1051



# Inverse Universe

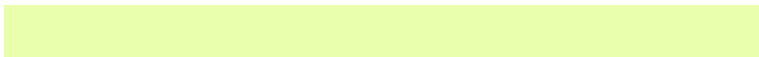
The Inverse Universe completely reimagines the original color for something new.



54.9672, 0.3698, 0.3094



48.1227, 0.3876, 0.3051



91.8864, 0.3465, 0.4138



18.0559, 0.3258, 0.3235



11.2924, 0.5992, 0.3075



1.1154, 0.5683, 0.2904



# Previews

## White Background



This preview shows how the Yxy color 53.8035, 0.2577, 0.2561 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

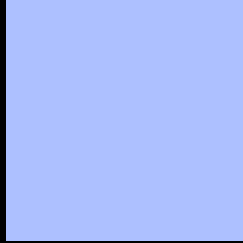
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.8035, 0.2577, 0.2561 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

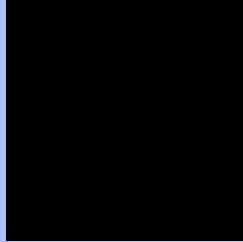
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.8035, 0.2577, 0.2561**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.8035, 0.2577, 0.2561.



This preview shows how white text looks on a background with the Yxy color 53.8035, 0.2577, 0.2561.

# 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

53.8035, 0.2577, 0.2561

### Protanopia

53.6475, 0.2600, 0.2563

### Deuteranopia

53.6306, 0.2612, 0.2545



## Tritanopia

53.6457, 0.2762, 0.3087

# Trichromacy



## Original Color

53.8035, 0.2577, 0.2561

## Protanomaly

53.5313, 0.2594, 0.2562

## Deuteranomaly

53.8287, 0.2601, 0.2554

## Tritanomaly

53.4085, 0.2687, 0.2873

# Monochromacy



## Original Color

53.8035, 0.2577, 0.2561

## Achromatopsia

53.9479, 0.3127, 0.3290

## Achromatomaly

53.5369, 0.2908, 0.3011

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.8035, 0.2577, 0.2561 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(173, 192, 255)` looks like.

```
.text, #text, p{  
    color:rgb(173, 192, 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(173, 192, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 192, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 53.8035, 0.2577, 0.2561 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(173, 192, 255) }
```

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

```
.border{ border-color:rgb(173, 192, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 192, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 192, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 192, 255);  
box-shadow:4px 4px 4px 4px rgb(173, 192,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.8035, 0.2577, 0.2561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 192, 255) }
```

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

```
.background{ background-color: rgb(173,  
192, 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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