

# Converting Colors

$Yxy(53.9290, 0.2648, 0.2871)$

Have a look what the booklet for  
Yxy(53.9290, 0.2648, 0.2871)  
contains.

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# Color

**Yxy(53.8957, 0.2646, 0.2872)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A2C6E8
RGB	162, 198, 232
RGB Percent	64%, 78%, 91%
CMY	0.3647, 0.2235, 0.0903
CMYK	0.30, 0.15, 0.00, 0.09
HSL	209°, 60%, 77%
HSV	209°, 30%, 91%
XYZ	49.6546, 53.8957, 84.1088
YIQ	191.1120, -32.3700, 2.9420

# Conversions

## Conversions Part 2

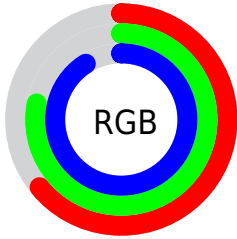
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	162, 186, 232
Decimal	10667752
CIE Lab	78.40, -4.20, -20.75
CIE LCh	78, 21.171, 258.545
Yxy	53.8957, 0.2646, 0.2872
Android (android.graphics.Color)	4288857832 (0xFFA2C6E8)
YUV	191.1120, 20.1578, -25.5312
Hunter-Lab	73.4137, -7.7424, -16.5380

# Details

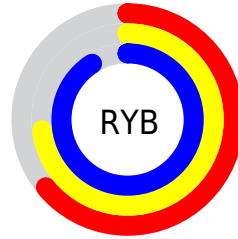
The Yxy color **53.8957, 0.2646, 0.2872** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **59.2180, 0.3692, 0.3673**, and the grayscale version is **52.0630, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6454, 0.2906, 0.3289**, and **26.2693, 0.2522, 0.2761** is the 20% darker color. If you saturate the color by 10%, you get **46.7316, 0.2484, 0.2706**, and if you desaturate by 10%, it is **61.8947, 0.2809, 0.3025**.

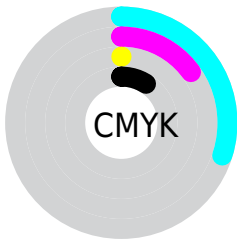
# Distribution



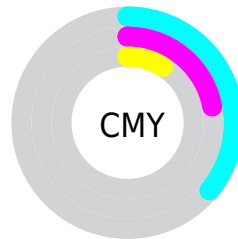
- Red (64%)
- Green (78%)
- Blue (91%)



- Red (64%)
- Yellow (73%)
- Blue (91%)



- Cyan (30%)
- Magenta (15%)
- Yellow (0%)
- Black (9%)



- Cyan (36%)
- Magenta (22%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.8957, 0.2646, 0.2872 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 53.8957, 0.2646, 0.2872 by changing the saturation by 10% instead.



■ 53.8957, 0.2646,  
0.2872

■ 53.8957, 0.2646,  
0.2872

401.7122, 0.2877,  
0.3075

■ 38.5183, 0.2591,  
0.2823

■ 95.9211, 0.2728,  
0.2944

■ 26.3852, 0.2523,  
0.2762

■ 123.3378, 0.2759,  
0.2972

■ 17.1120, 0.2435,  
0.2682

155.5365, 0.2786,  
0.2996

■ 10.3144, 0.2318,  
0.2575

192.9015, 0.2809,  
0.3016

■ 5.6079, 0.2156,  
0.2424

235.8171, 0.2829,  
0.3034

■ 2.6082, 0.1916,  
0.2198

284.6678, 0.2847,

■ 0.9308, 0.1536,

0.3049

0.1830

339.8381, 0.2863,  
0.3063

0.0000, 0.0000,  
0.0000

53.8957, 0.2646,  
0.2872

53.8957, 0.2646,  
0.2872

46.7316, 0.2484,  
0.2706

61.8947, 0.2809,  
0.3025

40.3630, 0.2326,  
0.2528

70.7530, 0.2970,  
0.3164

34.7565, 0.2179,  
0.2342

80.5017, 0.3125,  
0.3288

29.8731, 0.2046,  
0.2151

91.1683, 0.3272,  
0.3399

25.6690, 0.1934,  
0.1960

98.1578, 0.3263,  
0.3506

■ 22.0937, 0.1845,  
0.1776

■ 98.6047, 0.3262,  
0.3513

■ 19.1130, 0.1779,  
0.1603

# Harmonies

## Analogous

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



53.8957, 0.2597, 0.3035



53.8957, 0.2646, 0.2872



53.8957, 0.2819, 0.2823

# Triad

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



53.8957, 0.2646, 0.2872



53.8957, 0.3592, 0.3271



53.8957, 0.3154, 0.3739

# Complementary

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



53.8957, 0.2646, 0.2872



59.2180, 0.3692, 0.3673

# 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.



53.8957, 0.3427, 0.3791



53.8957, 0.2646, 0.2872



53.8957, 0.3688, 0.3506

# Square

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



53.8957, 0.2646, 0.2872



53.8957, 0.3365, 0.3050



53.8957, 0.3626, 0.3699



53.8957, 0.2882, 0.3547



# Rectangle

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



53.8957, 0.2646, 0.2872



53.8957, 0.2987, 0.2855



53.8957, 0.3626, 0.3699



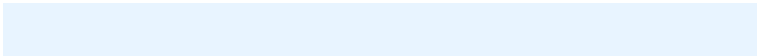
53.8957, 0.3249, 0.3773

# Sweetspot

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



53.8978, 0.2646, 0.2872



89.0028, 0.2987, 0.3178



69.3555, 0.2891, 0.3734



18.6881, 0.2964, 0.3159



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

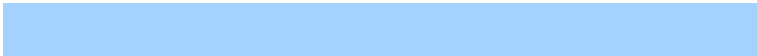


# Same Dimension

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



53.8978, 0.2646, 0.2872



61.3432, 0.2548, 0.2774



39.7548, 0.2595, 0.2423



15.1079, 0.2981, 0.3173



10.8670, 0.1787, 0.1631



0.9889, 0.1858, 0.1890



# Inverse Universe

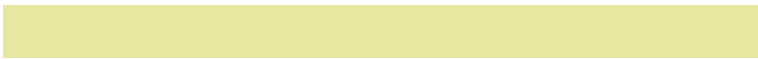
The Inverse Universe completely reimagines the original color for something new.



47.0660, 0.3459, 0.2888



52.2011, 0.3549, 0.2805



76.8033, 0.3586, 0.4031



14.4912, 0.3212, 0.3170



10.2947, 0.4892, 0.2469

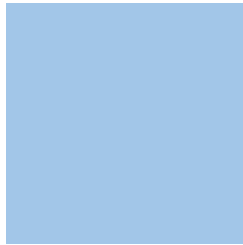


0.7795, 0.4579, 0.2296



# Previews

## White Background



This preview shows how the Yxy color 53.8957, 0.2646, 0.2872 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

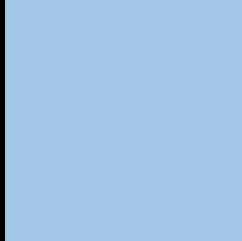
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.8957, 0.2646, 0.2872 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

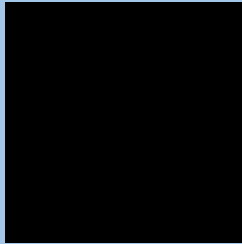
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

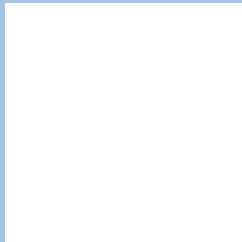
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 53.8957, 0.2646, 0.2872**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.8957, 0.2646, 0.2872.



This preview shows how white text looks on a background with the Yxy color 53.8957, 0.2646, 0.2872.

# 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

53.8957, 0.2646, 0.2872

### Protanopia

53.7398, 0.2827, 0.2861

### Deuteranopia

53.5422, 0.2830, 0.2765



## Tritanopia

54.1540, 0.2719, 0.3087

# Trichromacy



## Original Color

53.8957, 0.2646, 0.2872

## Protanomaly

53.5878, 0.2759, 0.2867

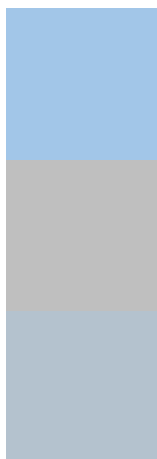
## Deuteranomaly

53.4062, 0.2760, 0.2801

## Tritanomaly

54.0561, 0.2695, 0.3013

# Monochromacy



## Original Color

53.8957, 0.2646, 0.2872

## Achromatopsia

52.0996, 0.3127, 0.3290

## Achromatomaly

52.7431, 0.2932, 0.3140

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.8957, 0.2646, 0.2872 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(162, 198, 232)` looks like.

```
.text, #text, p{  
    color:rgb(162, 198, 232)  
}
```

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(162, 198, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 198, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 53.8957, 0.2646, 0.2872 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(162, 198, 232) }
```

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

```
.border{ border-color:rgb(162, 198, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 198, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 198, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 198, 232);  
box-shadow:4px 4px 4px 4px rgb(162, 198,  
232) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.8957, 0.2646, 0.2872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 198, 232) }
```

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

```
.background{ background-color: rgb(162,  
198, 232) }
```

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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