

# Converting Colors

$Yxy(53.4226, 0.2599, 0.2966)$

Have a look what the booklet for  
Yxy(53.4226, 0.2599, 0.2966)  
contains.

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# Color

**Yxy(53.5602, 0.2598, 0.2972)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	94C9E2
RGB	148, 201, 226
RGB Percent	58%, 79%, 89%
CMY	0.4199, 0.2117, 0.1136
CMYK	0.35, 0.11, 0.00, 0.11
HSL	199°, 57%, 73%
HSV	199°, 35%, 89%
XYZ	46.8201, 53.5602, 79.8357
YIQ	188.0030, -39.6130, -3.4610

# Conversions

## Conversions Part 2

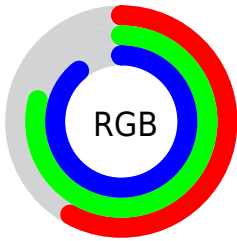
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	148, 180, 226
Decimal	9751010
CIE <sub>Lab</sub>	78.20, -11.17, -17.93
CIE <sub>LCh</sub>	78, 21.122, 238.068
Yxy	53.5602, 0.2598, 0.2972
Android (android.graphics.Color)	4287941090 (0xFF94C9E2)
YUV	188.0030, 18.7325, -35.0826
Hunter-Lab	73.1848, -13.8778, -13.4487

# Details

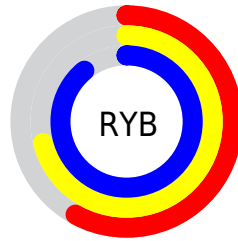
The Yxy color `53.5602, 0.2598, 0.2972` is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be `48.1736, 0.3843, 0.3585`, and the grayscale version is `50.1944, 0.3127, 0.3290`.

A 20% lighter version of the original color is `91.5774, 0.2827, 0.3289`, and `26.1874, 0.2462, 0.2878` is the 20% darker color. If you saturate the color by 10%, you get `48.3615, 0.2455, 0.2862`, and if you desaturate by 10%, it is `59.3336, 0.2748, 0.3074`.

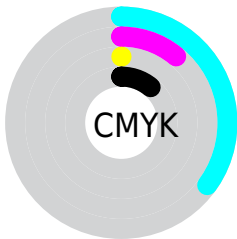
# Distribution



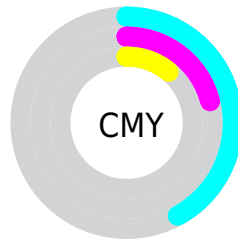
- Red (58%)
- Green (79%)
- Blue (89%)



- Red (58%)
- Yellow (71%)
- Blue (89%)



- Cyan (35%)
- Magenta (11%)
- Yellow (0%)
- Black (11%)



- Cyan (42%)
- Magenta (21%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.5602, 0.2598, 0.2972 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 53.5602, 0.2598, 0.2972 by changing the saturation by 10% instead.



■ 53.5602, 0.2598,  
0.2972

■ 53.5602, 0.2598,  
0.2972

400.4307, 0.2851,  
0.3130

■ 38.2502, 0.2538,  
0.2933

■ 95.4282, 0.2687,  
0.3029

■ 26.1769, 0.2463,  
0.2884

■ 122.7549, 0.2722,  
0.3051

■ 16.9560, 0.2367,  
0.2818

154.8560, 0.2751,  
0.3069

■ 10.2031, 0.2240,  
0.2729

192.1159, 0.2777,  
0.3085

■ 5.5339, 0.2062,  
0.2601

234.9189, 0.2799,  
0.3098

■ 2.5638, 0.1802,  
0.2401

283.6494, 0.2818,

■ 0.9085, 0.1346,

0.3110

0.2070

338.6919, 0.2836,  
0.3121

0.0000, 0.0000,  
0.0000

53.5602, 0.2598,  
0.2972

53.5602, 0.2598,  
0.2972

48.3615, 0.2455,  
0.2862

59.3336, 0.2748,  
0.3074

43.7050, 0.2323,  
0.2747

65.6996, 0.2902,  
0.3168

39.5639, 0.2206,  
0.2626

72.6828, 0.3057,  
0.3254

35.9062, 0.2107,  
0.2504

80.3047, 0.3210,  
0.3331

32.6948, 0.2027,  
0.2380

87.4397, 0.3318,  
0.3401

■ 29.8851, 0.1969,  
0.2259

■ 91.7210, 0.3310,  
0.3471

■ 28.4840, 0.1943,  
0.2194

■ 96.1735, 0.3301,  
0.3540

■ 98.2721, 0.3297,  
0.3572

# Harmonies

## Analogous

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



53.5602, 0.2640, 0.3198



53.5602, 0.2598, 0.2972



53.5602, 0.2689, 0.2844

# Triad

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



53.5602, 0.2598, 0.2972



53.5602, 0.3447, 0.3115



53.5602, 0.3345, 0.3791

# Complementary

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



53.5602, 0.2598, 0.2972



48.1736, 0.3843, 0.3585

# 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.



53.5602, 0.3575, 0.3742



53.5602, 0.2598, 0.2972



53.5602, 0.3639, 0.3346

# Square

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



53.5602, 0.2598, 0.2972



53.5602, 0.3172, 0.2931



53.5602, 0.3685, 0.3574



53.5602, 0.3064, 0.3691



# Rectangle

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



53.5602, 0.2598, 0.2972



53.5602, 0.2816, 0.2823



53.5602, 0.3685, 0.3574



53.5602, 0.3431, 0.3791

# Sweetspot

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



53.5623, 0.2598, 0.2972



90.3803, 0.2972, 0.3208



63.6980, 0.2936, 0.3986



19.0702, 0.2950, 0.3196



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

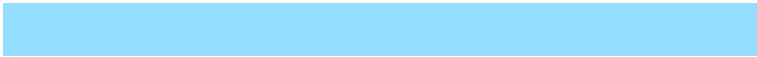


# Same Dimension

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



53.5623, 0.2598, 0.2972



65.7338, 0.2501, 0.2899



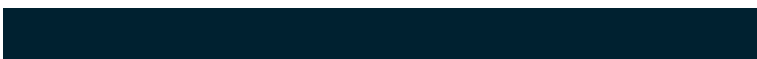
37.7120, 0.2529, 0.2452



14.7934, 0.2982, 0.3213



16.4702, 0.1948, 0.2213



1.3012, 0.2000, 0.2398



# Inverse Universe

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



41.5500, 0.3396, 0.2688



48.4647, 0.3467, 0.2571



65.2479, 0.3696, 0.4007



13.8570, 0.3187, 0.3132



10.5707, 0.4219, 0.2098

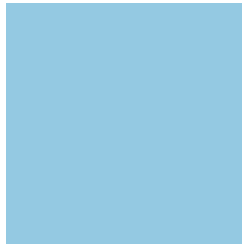


0.7488, 0.4025, 0.1991



# Previews

## White Background



This preview shows how the Yxy color 53.5602, 0.2598, 0.2972 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

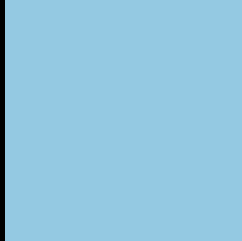
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.5602, 0.2598, 0.2972 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 53.5602, 0.2598, 0.2972**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.5602, 0.2598, 0.2972.



This preview shows how white text looks on a background with the Yxy color 53.5602, 0.2598, 0.2972.

# 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

53.5602, 0.2598, 0.2972

### Protanopia

53.1203, 0.2895, 0.2941

### Deuteranopia

53.0929, 0.2877, 0.2809



## Tritanopia

53.4140, 0.2633, 0.3083

# Trichromacy



## Original Color

53.5602, 0.2598, 0.2972

## Protanomaly

53.1884, 0.2776, 0.2957

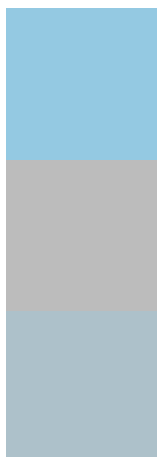
## Deuteranomaly

53.0885, 0.2764, 0.2866

## Tritanomaly

53.6646, 0.2622, 0.3046

# Monochromacy



## Original Color

53.5602, 0.2598, 0.2972

## Achromatopsia

50.2886, 0.3127, 0.3290

## Achromatomaly

51.2884, 0.2907, 0.3175

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.5602, 0.2598, 0.2972 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(148, 201, 226)` looks like.

```
.text, #text, p{  
    color:rgb(148, 201, 226)  
}
```

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(148, 201, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 201, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 53.5602, 0.2598, 0.2972 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(148, 201, 226) }
```

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

```
.border{ border-color:rgb(148, 201, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 201, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 201, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 201, 226);  
box-shadow:4px 4px 4px 4px rgb(148, 201,  
226) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.5602, 0.2598, 0.2972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 201, 226) }
```

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

```
.background{ background-color: rgb(148,  
201, 226) }
```

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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