

# Converting Colors

$Yxy(53.7194, 0.2642, 0.2992)$

Have a look what the booklet for  
Yxy(53.7194, 0.2642, 0.2992)  
contains.

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# Color

**Yxy(53.4627, 0.2639, 0.2986)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99C8E0
RGB	153, 200, 224
RGB Percent	60%, 78%, 88%
CMY	0.3998, 0.2157, 0.1217
CMYK	0.32, 0.11, 0.00, 0.12
HSL	200°, 53%, 74%
HSV	200°, 32%, 88%
XYZ	47.2499, 53.4627, 78.3320
YIQ	188.6830, -35.7160, -2.5000

# Conversions

## Conversions Part 2

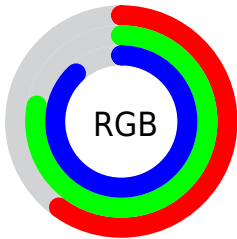
<b>Format</b>	<b>Color</b>
<b>RYB</b>	153, 181, 224
Decimal	10078432
CIELab	78.15, -9.72, -16.88
CIElCh	78, 19.483, 240.070
Yxy	53.4627, 0.2639, 0.2986
Android (android.graphics.Color)	4288268512 (0xFF99C8E0)
YUV	188.6830, 17.4113, -31.2940
Hunter-Lab	73.1182, -12.6080, -12.3350

# Details

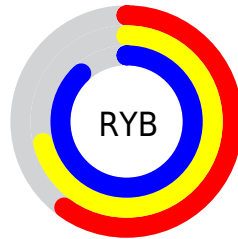
The Yxy color **53.4627, 0.2639, 0.2986** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.6020, 0.3762, 0.3574**, and the grayscale version is **50.6184, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.2953, 0.2855, 0.3289**, and **26.0750, 0.2508, 0.2896** is the 20% darker color. If you saturate the color by 10%, you get **48.0639, 0.2492, 0.2872**, and if you desaturate by 10%, it is **59.4486, 0.2792, 0.3092**.

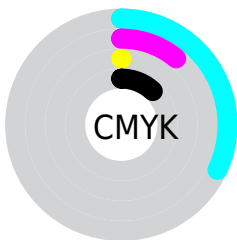
# Distribution



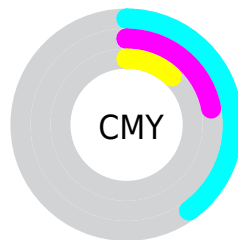
- Red (60%)
- Green (78%)
- Blue (88%)



- Red (60%)
- Yellow (71%)
- Blue (88%)



- Cyan (32%)
- Magenta (11%)
- Yellow (0%)
- Black (12%)




- Cyan (40%)
- Magenta (22%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.4627, 0.2639, 0.2986 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 53.4627, 0.2639, 0.2986 by changing the saturation by 10% instead.





 53.4627, 0.2639,  
0.2986

 53.4627, 0.2639,  
0.2986


400.0578, 0.2873,  
0.3137

 38.1723, 0.2584,  
0.2949


 95.2849, 0.2722,  
0.3040

 26.1164, 0.2514,  
0.2902


 122.5854, 0.2754,  
0.3061

 16.9108, 0.2424,  
0.2840


154.6581, 0.2781,  
0.3078

 10.1709, 0.2305,  
0.2755


191.8874, 0.2804,  
0.3093

 5.5124, 0.2138,  
0.2633

234.6576, 0.2825,  
0.3106

 2.5509, 0.1891,  
0.2442

283.3531, 0.2843,

 0.9021, 0.1459,

0.3118

0.2123

338.3584, 0.2859,  
0.3128

0.0000, 0.0000,  
0.0000

53.4627, 0.2639,  
0.2986

53.4627, 0.2639,  
0.2986

48.0639, 0.2492,  
0.2872

59.4486, 0.2792,  
0.3092

43.2204, 0.2354,  
0.2751

66.0387, 0.2947,  
0.3189

38.9066, 0.2230,  
0.2625

73.2574, 0.3102,  
0.3276

35.0917, 0.2122,  
0.2495

81.1254, 0.3253,  
0.3355

31.7407, 0.2035,  
0.2364

87.7081, 0.3331,  
0.3428

■ 28.8122, 0.1968,  
0.2235

■ 92.2075, 0.3321,  
0.3501

■ 26.6385, 0.1925,  
0.2129

■ 96.8945, 0.3312,  
0.3573

■ 98.1605, 0.3310,  
0.3592

# Harmonies

## Analogous

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



53.4627, 0.2670, 0.3191



53.4627, 0.2639, 0.2986



53.4627, 0.2731, 0.2873

# Triad

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



53.4627, 0.2639, 0.2986



53.4627, 0.3438, 0.3142



53.4627, 0.3313, 0.3749

# Complementary

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



53.4627, 0.2639, 0.2986



49.6020, 0.3762, 0.3574

# 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.



53.4627, 0.3530, 0.3714



53.4627, 0.2639, 0.2986



53.4627, 0.3606, 0.3358

# Square

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



53.4627, 0.2639, 0.2986



53.4627, 0.3187, 0.2967



53.4627, 0.3640, 0.3567



53.4627, 0.3052, 0.3648



# Rectangle

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



53.4627, 0.2639, 0.2986



53.4627, 0.2853, 0.2858



53.4627, 0.3640, 0.3567



53.4627, 0.3393, 0.3753

# Sweetspot

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



53.4648, 0.2639, 0.2986



91.0529, 0.2987, 0.3212



63.2379, 0.2943, 0.3902



19.1936, 0.2965, 0.3199



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

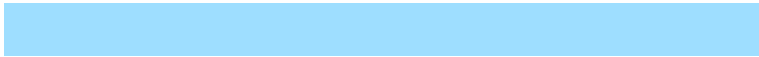


# Same Dimension

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



53.4648, 0.2639, 0.2986



66.8682, 0.2541, 0.2912



39.0224, 0.2583, 0.2518



14.7509, 0.2982, 0.3209



15.7299, 0.1930, 0.2149



1.2539, 0.1985, 0.2345



# Inverse Universe

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



42.8130, 0.3380, 0.2753



51.0345, 0.3450, 0.2640



65.3098, 0.3641, 0.3959



13.8527, 0.3189, 0.3136



10.4960, 0.4288, 0.2136

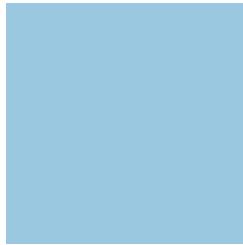


0.7440, 0.4079, 0.2021



# Previews

## White Background



This preview shows how the Yxy color 53.4627, 0.2639, 0.2986 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

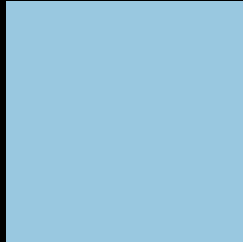
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.4627, 0.2639, 0.2986 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 53.4627, 0.2639, 0.2986**

## Background



This preview shows how black text looks on a background with the Yxy color 53.4627, 0.2639, 0.2986.



This preview shows how white text looks on a background with the Yxy color 53.4627, 0.2639, 0.2986.

# 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

53.4627, 0.2639, 0.2986

### Protanopia

53.0149, 0.2909, 0.2964

### Deuteranopia

53.0595, 0.2905, 0.2843



## Tritanopia

53.3624, 0.2668, 0.3084

# Trichromacy



**Original Color**

53.4627, 0.2639, 0.2986

**Protanomaly**

52.8648, 0.2802, 0.2969

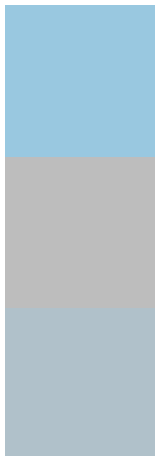
**Deuteranomaly**

52.8388, 0.2804, 0.2890

**Tritanomaly**

53.6160, 0.2657, 0.3047

# Monochromacy



**Original Color**

53.4627, 0.2639, 0.2986

**Achromatopsia**

50.8881, 0.3127, 0.3290

**Achromatomaly**

51.6343, 0.2930, 0.3175

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.4627, 0.2639, 0.2986 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(153, 200, 224)` looks like.

```
.text, #text, p{  
    color:rgb(153, 200, 224)  
}
```

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(153, 200, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 200, 224) }
```

## Border

The CSS property to change the border of an element to Yxy 53.4627, 0.2639, 0.2986 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(153, 200, 224) }
```

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

```
.border{ border-color:rgb(153, 200, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 200, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 200, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 200, 224);  
box-shadow:4px 4px 4px 4px rgb(153, 200,  
224) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.4627, 0.2639, 0.2986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 200, 224) }
```

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

```
.background{ background-color: rgb(153,  
200, 224) }
```

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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