

# Converting Colors

Yxy(54.1688, 0.2636, 0.3104)

Have a look what the booklet for  
Yxy(54.1688, 0.2636, 0.3104)  
contains.

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# Color

**Yxy(54.3587, 0.2637, 0.3109)**

# Conversions

## Conversions Part 1

Format	Color
Hex	92CCDA
RGB	146, 204, 218
RGB Percent	57%, 80%, 85%
CMY	0.4272, 0.2000, 0.1452
CMYK	0.33, 0.06, 0.00, 0.15
HSL	192°, 49%, 71%
HSV	192°, 33%, 85%
XYZ	46.1061, 54.3587, 74.3782
YIQ	188.2540, -39.0620, -7.9420

# Conversions

## Conversions Part 2

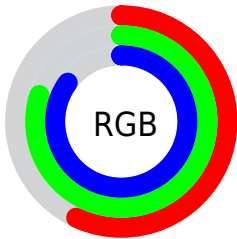
<b>Format</b>	<b>Color</b>
<b>RYB</b>	146, 178, 218
Decimal	9620698
CIELab	78.67, -15.20, -12.92
CIELCh	79, 19.944, 220.360
Yxy	54.3587, 0.2637, 0.3109
Android (android.graphics.Color)	4287810778 (0xFF92CCDA)
YUV	188.2540, 14.6648, -37.0568
Hunter-Lab	73.7284, -17.3994, -8.2028

# Details

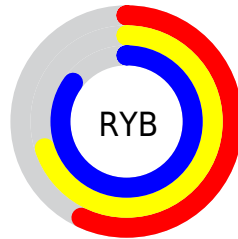
The Yxy color **54.3587, 0.2637, 0.3109** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.1337, 0.3835, 0.3462**, and the grayscale version is **50.3792, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2966, 0.2816, 0.3289**, and **26.7323, 0.2512, 0.3062** is the 20% darker color. If you saturate the color by 10%, you get **50.5618, 0.2505, 0.3045**, and if you desaturate by 10%, it is **58.5956, 0.2779, 0.3169**.

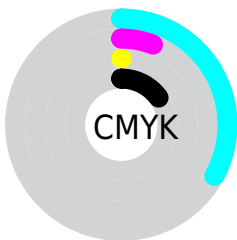
# Distribution



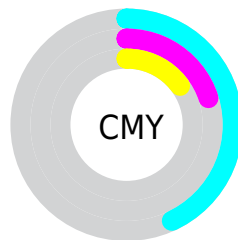
- Red (57%)
- Green (80%)
- Blue (85%)



- Red (57%)
- Yellow (70%)
- Blue (85%)



- Cyan (33%)
- Magenta (6%)
- Yellow (0%)
- Black (15%)




- Cyan (43%)
- Magenta (20%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.3587, 0.2637, 0.3109 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 54.3587, 0.2637, 0.3109 by changing the saturation by 10% instead.




 54.3587, 0.2637,  
0.3109


 54.3587, 0.2637,  
0.3109


403.4764, 0.2872,  
0.3201

 38.8885, 0.2582,  
0.3086


 96.6007, 0.2720,  
0.3143

 26.6730, 0.2512,  
0.3056


 124.1413, 0.2752,  
0.3155

 17.3278, 0.2423,  
0.3016


156.4742, 0.2779,  
0.3166

 10.4685, 0.2303,  
0.2960

193.9837, 0.2803,  
0.3175

 5.7107, 0.2136,  
0.2877

237.0543, 0.2823,  
0.3183

 2.6700, 0.1889,  
0.2742

286.0704, 0.2841,

 0.9620, 0.1416,

0.3190

0.2516

341.4163, 0.2857,  
0.3196

0.0000, 0.0000,  
0.0000

54.3587, 0.2637,  
0.3109

54.3587, 0.2637,  
0.3109

50.5618, 0.2505,  
0.3045

58.5956, 0.2779,  
0.3169

47.1764, 0.2387,  
0.2978

63.2865, 0.2928,  
0.3225

44.1802, 0.2285,  
0.2908

68.4526, 0.3081,  
0.3276

41.5461, 0.2201,  
0.2838

74.1116, 0.3235,  
0.3322

39.2426, 0.2137,  
0.2767

80.2725, 0.3388,  
0.3363

■ 37.2323, 0.2092,  
0.2696

■ 82.5950, 0.3382,  
0.3405

■ 35.9555, 0.2069,  
0.2647

■ 84.9749, 0.3376,  
0.3447

■ 87.4124, 0.3370,  
0.3488

■ 89.9080, 0.3364,  
0.3529

# Harmonies

## Analogous

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



54.3587, 0.2749, 0.3353



54.3587, 0.2637, 0.3109



54.3587, 0.2649, 0.2929

# Triad

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



54.3587, 0.2637, 0.3109



54.3587, 0.3280, 0.3015



54.3587, 0.3470, 0.3749

# Complementary

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



54.3587, 0.2637, 0.3109



42.1337, 0.3835, 0.3462

# 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.



54.3587, 0.3626, 0.3633



54.3587, 0.2637, 0.3109



54.3587, 0.3515, 0.3212

# Square

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



54.3587, 0.2637, 0.3109



54.3587, 0.3011, 0.2885



54.3587, 0.3644, 0.3435



54.3587, 0.3226, 0.3738



# Rectangle

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



54.3587, 0.2637, 0.3109



54.3587, 0.2726, 0.2865



54.3587, 0.3644, 0.3435



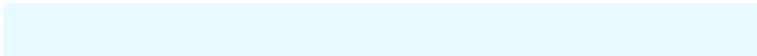
54.3587, 0.3535, 0.3723

# Sweetspot

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



54.3609, 0.2637, 0.3109



92.3579, 0.2972, 0.3240



58.7604, 0.3002, 0.4082



19.5506, 0.2951, 0.3233



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

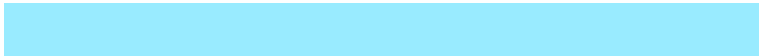


# Same Dimension

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



54.3609, 0.2637, 0.3109



73.5058, 0.2539, 0.3062



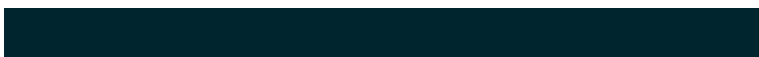
39.4892, 0.2577, 0.2632



14.3769, 0.2982, 0.3243



21.6975, 0.2072, 0.2657



1.5181, 0.2103, 0.2772



# Inverse Universe

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



39.8357, 0.3293, 0.2619



50.0504, 0.3340, 0.2471



56.1010, 0.3701, 0.3870



13.2292, 0.3167, 0.3104



10.8141, 0.3769, 0.1850

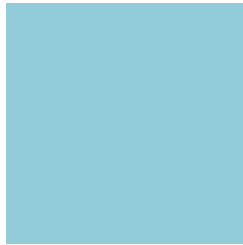


0.7119, 0.3661, 0.1790



# Previews

## White Background



This preview shows how the Yxy color 54.3587, 0.2637, 0.3109 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

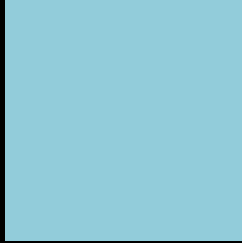
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.3587, 0.2637, 0.3109 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

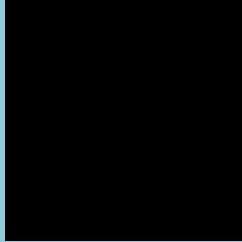
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 54.3587, 0.2637, 0.3109**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.3587, 0.2637, 0.3109.



This preview shows how white text looks on a background with the Yxy color 54.3587, 0.2637, 0.3109.

# 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

54.3587, 0.2637, 0.3109

### Protanopia

54.1805, 0.2996, 0.3073

### Deuteranopia

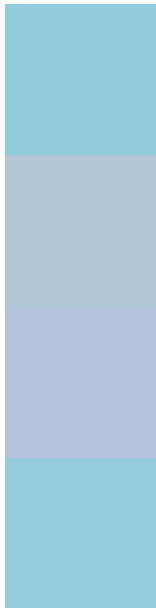
53.8950, 0.2979, 0.2915



## Tritanopia

54.5561, 0.2631, 0.3084

# Trichromacy



**Original Color**

54.3587, 0.2637, 0.3109

**Protanomaly**

54.0177, 0.2851, 0.3079

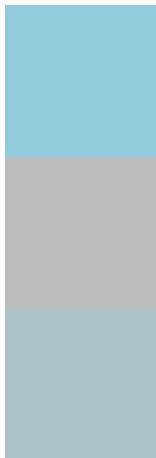
**Deuteranomaly**

53.4542, 0.2838, 0.2973

**Tritanomaly**

54.5032, 0.2637, 0.3097

# Monochromacy



**Original Color**

54.3587, 0.2637, 0.3109

**Achromatopsia**

50.2886, 0.3127, 0.3290

**Achromatomaly**

51.5913, 0.2928, 0.3226

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.3587, 0.2637, 0.3109 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(146, 204, 218)` looks like.

```
.text, #text, p{  
    color:rgb(146, 204, 218)  
}
```

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(146, 204, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 204, 218) }
```

## Border

The CSS property to change the border of an element to Yxy 54.3587, 0.2637, 0.3109 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(146, 204, 218) }
```

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

```
.border{ border-color:rgb(146, 204, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 204, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(146, 204, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(146, 204, 218); box-shadow:4px 4px 4px 4px rgb(146, 204, 218) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.3587, 0.2637, 0.3109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 204, 218) }
```

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

```
.background{ background-color: rgb(146,  
204, 218) }
```

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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