

# Converting Colors

$Y_{xy}(49.1492, 0.2618, 0.2937)$

Have a look what the booklet for  
Yxy(49.1492, 0.2618, 0.2937)  
contains.

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# Color

**Yxy(49.0168, 0.2617, 0.2938)**

# Conversions

## Conversions Part 1

Format	Color
Hex	93C0DB
RGB	147, 192, 219
RGB Percent	58%, 75%, 86%
CMY	0.4236, 0.2470, 0.1413
CMYK	0.33, 0.12, 0.00, 0.14
HSL	202°, 50%, 72%
HSV	202°, 33%, 86%
XYZ	43.6613, 49.0168, 74.1592
YIQ	181.6230, -35.4870, -1.1430

# Conversions

## Conversions Part 2

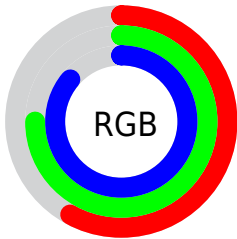
<b>Format</b>	<b>Color</b>
<b>RYB</b>	147, 175, 219
Decimal	9683163
CIELab	75.46, -8.44, -18.27
CIELCh	75, 20.128, 245.218
Yxy	49.0168, 0.2617, 0.2938
Android (android.graphics.Color)	4287873243 (0xFF93C0DB)
YUV	181.6230, 18.4269, -30.3644
Hunter-Lab	70.0120, -11.2037, -13.7937

# Details

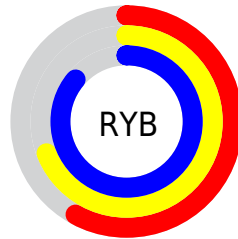
The Yxy color **49.0168, 0.2617, 0.2938** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **47.4075, 0.3782, 0.3615**, and the grayscale version is **46.4734, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0513, 0.2817, 0.3216**, and **23.5253, 0.2486, 0.2846** is the 20% darker color. If you saturate the color by 10%, you get **43.6826, 0.2467, 0.2810**, and if you desaturate by 10%, it is **54.9408, 0.2772, 0.3057**.

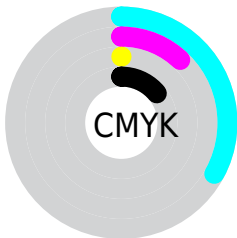
# Distribution



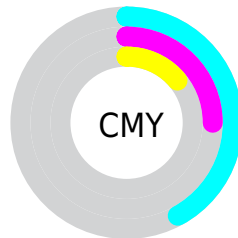
- Red (58%)
- Green (75%)
- Blue (86%)



- Red (58%)
- Yellow (69%)
- Blue (86%)



- Cyan (33%)
- Magenta (12%)
- Yellow (0%)
- Black (14%)



- Cyan (42%)
- Magenta (25%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.0168, 0.2617, 0.2938 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 49.0168, 0.2617, 0.2938 by changing the saturation by 10% instead.



■ 49.0168, 0.2617,  
0.2938

■ 49.0168, 0.2617,  
0.2938

■ 382.8085, 0.2865,  
0.3114

■ 34.6328, 0.2557,  
0.2894

■ 88.7164, 0.2706,  
0.3002

■ 23.3802, 0.2482,  
0.2838

■ 114.8008, 0.2739,  
0.3026

■ 14.8745, 0.2384,  
0.2764

■ 145.5541, 0.2768,  
0.3046

■ 8.7313, 0.2253,  
0.2663

■ 181.3608, 0.2793,  
0.3064

■ 4.5664, 0.2067,  
0.2514

■ 222.6051, 0.2814,  
0.3079

■ 1.9952, 0.1787,  
0.2280

■ 269.6716, 0.2833,

■ 0.6047, 0.1127,

0.3092

0.1848

322.9446, 0.2850,  
0.3104

0.0000, 0.0000,  
0.0000

49.0168, 0.2617,  
0.2938

49.0168, 0.2617,  
0.2938

43.6826, 0.2467,  
0.2810

54.9408, 0.2772,  
0.3057

38.9071, 0.2327,  
0.2674

61.4721, 0.2928,  
0.3165

34.6649, 0.2199,  
0.2533

68.6345, 0.3083,  
0.3264

30.9255, 0.2088,  
0.2388

76.4486, 0.3234,  
0.3352

27.6543, 0.1997,  
0.2242

84.6564, 0.3370,  
0.3430

■ 24.8101, 0.1928,  
0.2099

■ 89.4074, 0.3359,  
0.3510

■ 22.9994, 0.1889,  
0.2000

■ 94.3770, 0.3347,  
0.3589

■ 97.8931, 0.3340,  
0.3641

# Harmonies

## Analogous

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



49.0168, 0.2627, 0.3141



49.0168, 0.2617, 0.2938



49.0168, 0.2736, 0.2839

# Triad

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



49.0168, 0.2617, 0.2938



49.0168, 0.3497, 0.3170



49.0168, 0.3277, 0.3772

# Complementary

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



49.0168, 0.2617, 0.2938



47.4075, 0.3782, 0.3615

# 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.



49.0168, 0.3522, 0.3757



49.0168, 0.2617, 0.2938



49.0168, 0.3654, 0.3401

# Square

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



49.0168, 0.2617, 0.2938



49.0168, 0.3239, 0.2974



49.0168, 0.3663, 0.3616



49.0168, 0.3000, 0.3640



# Rectangle

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



49.0168, 0.2617, 0.2938



49.0168, 0.2876, 0.2837



49.0168, 0.3663, 0.3616



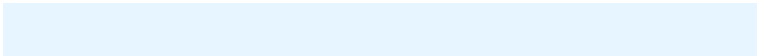
49.0168, 0.3366, 0.3783

# Sweetspot

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



49.0187, 0.2617, 0.2938



89.5390, 0.2972, 0.3194



59.8815, 0.2923, 0.3895



18.8662, 0.2950, 0.3179



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

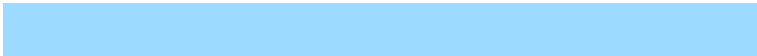


# Same Dimension

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



49.0187, 0.2617, 0.2938



64.2627, 0.2520, 0.2857



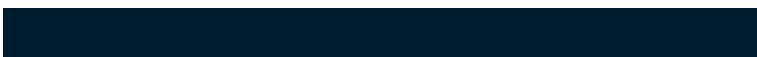
35.2827, 0.2556, 0.2451



13.9675, 0.2982, 0.3200



13.8577, 0.1895, 0.2021



1.0612, 0.1959, 0.2251



# Inverse Universe

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



39.7209, 0.3417, 0.2762



49.9357, 0.3494, 0.2657



62.9463, 0.3653, 0.4009



13.1878, 0.3195, 0.3145



10.0227, 0.4430, 0.2214



0.6658, 0.4178, 0.2075



# Previews

## White Background



This preview shows how the Yxy color 49.0168, 0.2617, 0.2938 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

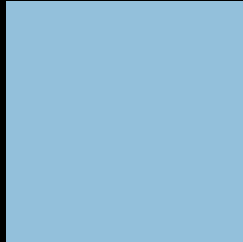
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.0168, 0.2617, 0.2938 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

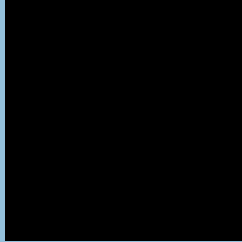
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

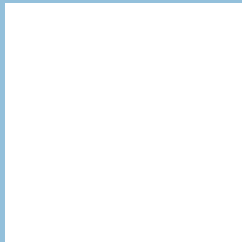
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 49.0168, 0.2617, 0.2938**

## Background



This preview shows how black text looks on a background with the Yxy color 49.0168, 0.2617, 0.2938.



This preview shows how white text looks on a background with the Yxy color 49.0168, 0.2617, 0.2938.

# 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

49.0168, 0.2617, 0.2938

### Protanopia

48.8393, 0.2873, 0.2917

### Deuteranopia

48.7073, 0.2868, 0.2804



## Tritanopia

49.2068, 0.2667, 0.3090

# Trichromacy



**Original Color**

49.0168, 0.2617, 0.2938

**Protanomaly**

48.8233, 0.2772, 0.2922

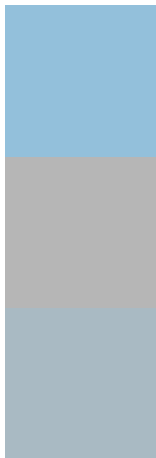
**Deuteranomaly**

48.6359, 0.2773, 0.2852

**Tritanomaly**

49.0550, 0.2648, 0.3025

# Monochromacy



**Original Color**

49.0168, 0.2617, 0.2938

**Achromatopsia**

46.7784, 0.3127, 0.3290

**Achromatomaly**

47.4930, 0.2923, 0.3171

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.0168, 0.2617, 0.2938 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(147, 192, 219)` looks like.

```
.text, #text, p{  
    color:rgb(147, 192, 219)  
}
```

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(147, 192, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 192, 219) }
```

## Border

The CSS property to change the border of an element to Yxy 49.0168, 0.2617, 0.2938 is called "border". The border property can be set on classes, ids or directly on the HTML element.

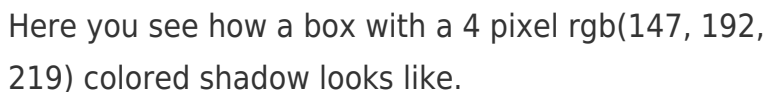
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(147, 192, 219) }
```

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

```
.border{ border-color:rgb(147, 192, 219) }
```

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



Here you see how a box with a 4 pixel `rgb(147, 192, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(147, 192, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(147, 192, 219); box-shadow:4px 4px 4px 4px rgb(147, 192, 219) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.0168, 0.2617, 0.2938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 192, 219) }
```

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

```
.background{ background-color: rgb(147,  
192, 219) }
```

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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