

# Converting Colors

$Yxy(61.8193, 0.2657, 0.2962)$

Have a look what the booklet for  
Yxy(61.8193, 0.2657, 0.2962)  
contains.

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# Color

**Yxy(61.7031, 0.2657, 0.2959)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A8D4F0
RGB	168, 212, 240
RGB Percent	66%, 83%, 94%
CMY	0.3415, 0.1685, 0.0589
CMYK	0.30, 0.12, 0.00, 0.06
HSL	203°, 71%, 80%
HSV	203°, 30%, 94%
XYZ	55.4056, 61.7031, 91.4182
YIQ	202.0360, -35.2120, -0.6200

# Conversions

## Conversions Part 2

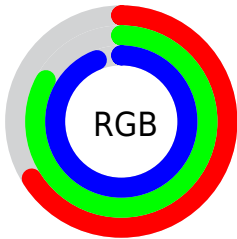
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	168, 195, 240
Decimal	11064560
CIE Lab	82.76, -7.99, -18.41
CIE LCh	83, 20.070, 246.536
Yxy	61.7031, 0.2657, 0.2959
Android (android.graphics.Color)	4289254640 (0xFFA8D4F0)
YUV	202.0360, 18.7163, -29.8496
Hunter-Lab	78.5513, -11.5612, -14.0159

# Details

The Yxy color **61.7031, 0.2657, 0.2959** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **60.7759, 0.3712, 0.3598**, and the grayscale version is **58.9759, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7476, 0.2946, 0.3289**, and **31.1520, 0.2543, 0.2866** is the 20% darker color. If you saturate the color by 10%, you get **54.7885, 0.2503, 0.2828**, and if you desaturate by 10%, it is **69.3772, 0.2814, 0.3080**.

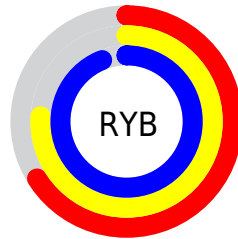
# Distribution



Red (66%)

Green (83%)

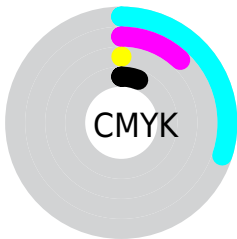
Blue (94%)



Red (66%)

Yellow (76%)

Blue (94%)

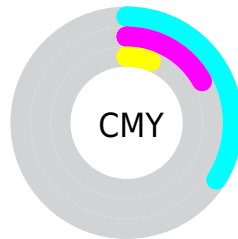


Cyan (30%)

Magenta (12%)

Yellow (0%)

Black (6%)



Cyan (34%)

Magenta (17%)

Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.7031, 0.2657, 0.2959 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 61.7031, 0.2657, 0.2959 by changing the saturation by 10% instead.



■ 61.7031, 0.2657,  
0.2959

■ 61.7031, 0.2657,  
0.2959

430.8473, 0.2877,  
0.3118

■ 44.7928, 0.2606,  
0.2921

■ 107.2963, 0.2734,  
0.3015

■ 31.2943, 0.2543,  
0.2874

136.7481, 0.2764,  
0.3037

■ 20.8230, 0.2463,  
0.2813

171.1491, 0.2789,  
0.3055

■ 12.9947, 0.2359,  
0.2732

210.8838, 0.2811,  
0.3071

■ 7.4249, 0.2216,  
0.2619

256.3366, 0.2831,  
0.3085

■ 3.7292, 0.2011,  
0.2451

307.8918, 0.2848,

■ 1.5233, 0.1697,

0.3098

0.2180

365.9339, 0.2864,  
0.3108

0.3050, 0.0435,  
0.1400

0.0000, 0.0000,  
0.0000

61.7031, 0.2657,  
0.2959

61.7031, 0.2657,  
0.2959

54.7885, 0.2503,  
0.2828

69.3772, 0.2814,  
0.3080

48.5946, 0.2358,  
0.2688

77.8325, 0.2972,  
0.3190

43.0901, 0.2224,  
0.2541

87.0987, 0.3127,  
0.3290

38.2374, 0.2106,  
0.2391

95.4713, 0.3219,  
0.3380

■ 33.9942, 0.2007,  
0.2239

■ 99.0706, 0.3215,  
0.3434

■ 30.3108, 0.1930,  
0.2089

■ 27.1158, 0.1873,  
0.1943

# Harmonies

## Analogous

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



61.7031, 0.2661, 0.3144



61.7031, 0.2657, 0.2959



61.7031, 0.2772, 0.2870

# Triad

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



61.7031, 0.2657, 0.2959



61.7031, 0.3477, 0.3189



61.7031, 0.3256, 0.3731

# Complementary

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



61.7031, 0.2657, 0.2959



60.7759, 0.3712, 0.3598

# 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.



61.7031, 0.3484, 0.3725



61.7031, 0.2657, 0.2959



61.7031, 0.3617, 0.3404

# Square

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



61.7031, 0.2657, 0.2959



61.7031, 0.3242, 0.3004



61.7031, 0.3618, 0.3600



61.7031, 0.3000, 0.3604



# Rectangle

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



61.7031, 0.2657, 0.2959



61.7031, 0.2905, 0.2871



61.7031, 0.3618, 0.3600



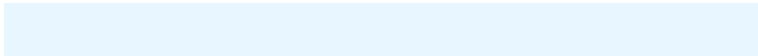
61.7031, 0.3338, 0.3744

# Sweetspot

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



61.7056, 0.2657, 0.2959



90.3532, 0.2987, 0.3201



74.5947, 0.2931, 0.3823



19.0209, 0.2965, 0.3186



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

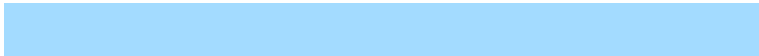


# Same Dimension

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



61.7056, 0.2657, 0.2959



65.8882, 0.2563, 0.2880



45.7864, 0.2607, 0.2516



16.8391, 0.2980, 0.3196



15.1110, 0.1880, 0.1967



1.4496, 0.1933, 0.2159



# Inverse Universe

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



51.2539, 0.3396, 0.2816



52.6599, 0.3468, 0.2718



78.8252, 0.3605, 0.3961



15.9214, 0.3197, 0.3146



11.3188, 0.4491, 0.2248

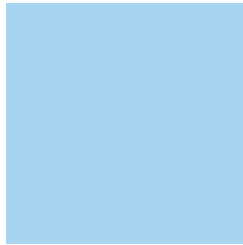


0.9611, 0.4276, 0.2129



# Previews

## White Background



This preview shows how the Yxy color 61.7031, 0.2657, 0.2959 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

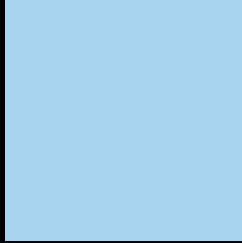
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.7031, 0.2657, 0.2959 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

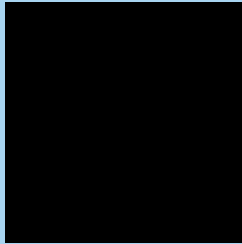
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 61.7031, 0.2657, 0.2959**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.7031, 0.2657, 0.2959.



This preview shows how white text looks on a background with the Yxy color 61.7031, 0.2657, 0.2959.

# 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

61.7031, 0.2657, 0.2959

### Protanopia

61.4632, 0.2888, 0.2939

### Deuteranopia

61.4495, 0.2891, 0.2836



## Tritanopia

61.9696, 0.2698, 0.3085

# Trichromacy



**Original Color**

61.7031, 0.2657, 0.2959

**Protanomaly**

61.4314, 0.2796, 0.2944

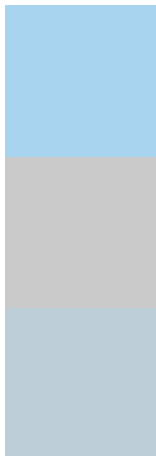
**Deuteranomaly**

61.3510, 0.2803, 0.2881

**Tritanomaly**

61.7445, 0.2686, 0.3038

# Monochromacy



**Original Color**

61.7031, 0.2657, 0.2959

**Achromatopsia**

59.0619, 0.3127, 0.3290

**Achromatomaly**

60.0476, 0.2941, 0.3171

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.7031, 0.2657, 0.2959 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(168, 212, 240)` looks like.

```
.text, #text, p{  
    color:rgb(168, 212, 240)  
}
```

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(168, 212, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 212, 240) }
```

## Border

The CSS property to change the border of an element to Yxy 61.7031, 0.2657, 0.2959 is called "border". The border property can be set on classes, ids or directly on the HTML element.

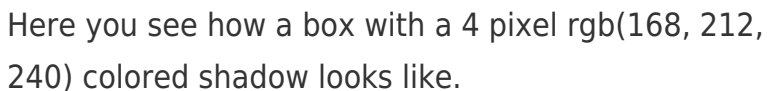
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(168, 212, 240) }
```

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

```
.border{ border-color:rgb(168, 212, 240) }
```

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



Here you see how a box with a 4 pixel `rgb(168, 212, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 212, 240); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 212, 240); box-shadow:4px 4px 4px 4px rgb(168, 212, 240) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.7031, 0.2657, 0.2959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 212, 240) }
```

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

```
.background{ background-color: rgb(168,  
212, 240) }
```

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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