

# Converting Colors

$Yxy(63.2044, 0.2708, 0.3018)$

Have a look what the booklet for  
Yxy(63.2044, 0.2708, 0.3018)  
contains.

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# Color

**Yxy(63.0918, 0.2707, 0.3019)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ADD6ED
RGB	173, 214, 237
RGB Percent	68%, 84%, 93%
CMY	0.3214, 0.1608, 0.0706
CMYK	0.27, 0.10, 0.00, 0.07
HSL	202°, 64%, 80%
HSV	202°, 27%, 93%
XYZ	56.5715, 63.0918, 89.3191
YIQ	204.3630, -31.8190, -1.5390

# Conversions

## Conversions Part 2

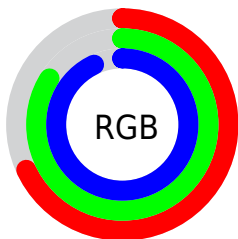
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	173, 198, 237
Decimal	11392749
CIE Lab	83.49, -8.25, -15.69
CIE LCh	83, 17.725, 242.256
Yxy	63.0918, 0.2707, 0.3019
Android (android.graphics.Color)	4289582829 (0xFFADD6ED)
YUV	204.3630, 16.0900, -27.5054
Hunter-Lab	79.4303, -11.8726, -11.0701

# Details

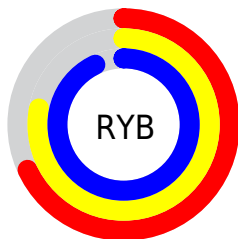
The Yxy color **63.0918, 0.2707, 0.3019** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **60.5219, 0.3645, 0.3546**, and the grayscale version is **60.5415, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5630, 0.2976, 0.3290**, and **32.0544, 0.2605, 0.2946** is the 20% darker color. If you saturate the color by 10%, you get **56.4249, 0.2554, 0.2901**, and if you desaturate by 10%, it is **70.4688, 0.2863, 0.3128**.

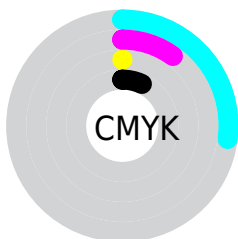
# Distribution



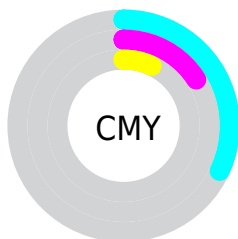
- Red (68%)
- Green (84%)
- Blue (93%)



- Red (68%)
- Yellow (78%)
- Blue (93%)



- Cyan (27%)
- Magenta (10%)
- Yellow (0%)
- Black (7%)



- Cyan (32%)
- Magenta (16%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.0918, 0.2707, 0.3019 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 63.0918, 0.2707, 0.3019 by changing the saturation by 10% instead.



■ 63.0918, 0.2707,  
0.3019

■ 63.0918, 0.2707,  
0.3019

435.9026, 0.2904,  
0.3149

■ 45.9155, 0.2662,  
0.2988

■ 109.3019, 0.2776,  
0.3065

■ 32.1791, 0.2606,  
0.2949

139.1045, 0.2802,  
0.3083

■ 21.4984, 0.2534,  
0.2899

173.8847, 0.2825,  
0.3098

■ 13.4888, 0.2441,  
0.2833

214.0268, 0.2845,  
0.3111

■ 7.7660, 0.2313,  
0.2739

259.9153, 0.2862,  
0.3122

■ 3.9456, 0.2129,  
0.2599

311.9344, 0.2878,

■ 1.6432, 0.1843,

0.3132

0.2372

370.4687, 0.2891,  
0.3141

0.3864, 0.0760,  
0.1771

0.0000, 0.0000,  
0.0000

63.0918, 0.2707,  
0.3019

63.0918, 0.2707,  
0.3019

56.4249, 0.2554,  
0.2901

70.4688, 0.2863,  
0.3128

50.4318, 0.2409,  
0.2774

78.5751, 0.3019,  
0.3227

45.0839, 0.2275,  
0.2641

87.4384, 0.3173,  
0.3316

40.3469, 0.2156,  
0.2503

94.5664, 0.3238,  
0.3398

■ 36.1824, 0.2056,  
0.2363

■ 98.8947, 0.3232,  
0.3464

■ 32.5458, 0.1976,  
0.2224

■ 29.3809, 0.1917,  
0.2088

■ 28.4950, 0.1902,  
0.2047

# Harmonies

## Analogous

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



63.0918, 0.2726, 0.3191



63.0918, 0.2707, 0.3019



63.0918, 0.2795, 0.2926

# Triad

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



63.0918, 0.2707, 0.3019



63.0918, 0.3408, 0.3176



63.0918, 0.3272, 0.3681

# Complementary

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



63.0918, 0.2707, 0.3019



60.5219, 0.3645, 0.3546

# 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.



63.0918, 0.3463, 0.3662



63.0918, 0.2707, 0.3019



63.0918, 0.3545, 0.3365

# Square

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



63.0918, 0.2707, 0.3019



63.0918, 0.3196, 0.3019



63.0918, 0.3565, 0.3542



63.0918, 0.3047, 0.3585



# Rectangle

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



63.0918, 0.2707, 0.3019



63.0918, 0.2905, 0.2917



63.0918, 0.3565, 0.3542



63.0918, 0.3343, 0.3687

# Sweetspot

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



63.0943, 0.2707, 0.3019



91.7420, 0.3003, 0.3217



73.4181, 0.2962, 0.3787



19.3180, 0.2980, 0.3202



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

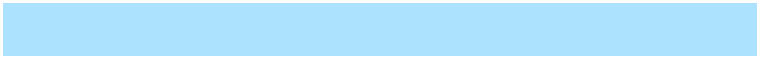


# Same Dimension

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



63.0943, 0.2707, 0.3019



70.3538, 0.2628, 0.2959



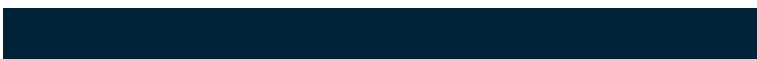
48.7169, 0.2669, 0.2633



16.1577, 0.2981, 0.3203



15.8141, 0.1908, 0.2069



1.4229, 0.1961, 0.2257



# Inverse Universe

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



52.7601, 0.3347, 0.2847



56.7727, 0.3400, 0.2760



76.1855, 0.3560, 0.3871



15.2165, 0.3193, 0.3140



11.0892, 0.4375, 0.2184

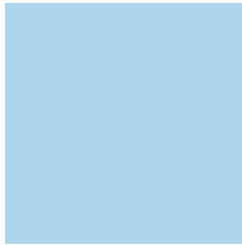


0.8891, 0.4171, 0.2071



# Previews

## White Background



This preview shows how the Yxy color 63.0918, 0.2707, 0.3019 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

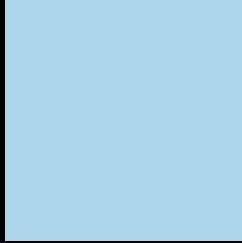
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.0918, 0.2707, 0.3019 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

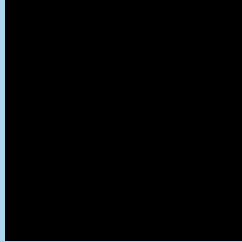
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 63.0918, 0.2707, 0.3019**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.0918, 0.2707, 0.3019.

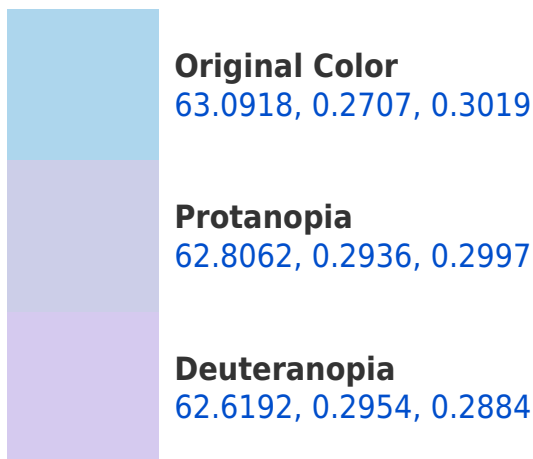


This preview shows how white text looks on a background with the Yxy color 63.0918, 0.2707, 0.3019.

# 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

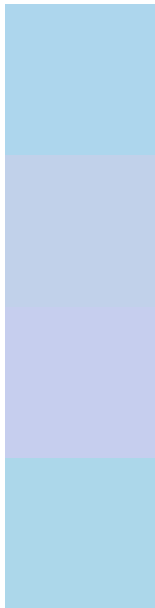




## Tritanopia

63.1977, 0.2730, 0.3088

# Trichromacy



## Original Color

63.0918, 0.2707, 0.3019

## Protanomaly

62.8789, 0.2849, 0.3003

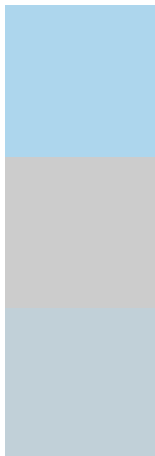
## Deuteranomaly

62.3214, 0.2856, 0.2928

## Tritanomaly

63.3120, 0.2719, 0.3065

# Monochromacy



## Original Color

63.0918, 0.2707, 0.3019

## Achromatopsia

60.3827, 0.3127, 0.3290

## Achromatomaly

61.4071, 0.2963, 0.3196

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  63.0918, 0.2707, 0.3019 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(173, 214, 237)` looks like.

```
.text, #text, p{  
    color:rgb(173, 214, 237)  
}
```

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(173, 214, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 214, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 63.0918, 0.2707, 0.3019 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(173, 214, 237) }
```

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

```
.border{ border-color:rgb(173, 214, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 214, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 214, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 214, 237);  
box-shadow:4px 4px 4px 4px rgb(173, 214,  
237) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.0918, 0.2707, 0.3019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 214, 237) }
```

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

```
.background{ background-color: rgb(173,  
214, 237) }
```

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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