

# Converting Colors

$Yxy(61.3421, 0.2605, 0.2999)$

Have a look what the booklet for  
Yxy(61.3421, 0.2605, 0.2999)  
contains.

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# Color

**Yxy(61.4343, 0.2607, 0.3000)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9DD6EE
RGB	157, 214, 238
RGB Percent	62%, 84%, 93%
CMY	0.3843, 0.1608, 0.0665
CMYK	0.34, 0.10, 0.00, 0.07
HSL	198°, 70%, 77%
HSV	198°, 34%, 93%
XYZ	53.3864, 61.4343, 89.9603
YIQ	199.6930, -41.6760, -4.6200

# Conversions

## Conversions Part 2

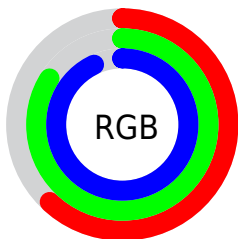
<b>Format</b>	<b>Color</b>
<b>RYB</b>	157, 190, 238
Decimal	10344174
CIELab	82.61, -12.51, -17.65
CIELCh	83, 21.633, 234.673
Yxy	61.4343, 0.2607, 0.3000
Android (android.graphics.Color)	4288534254 (0xFF9DD6EE)
YUV	199.6930, 18.8854, -37.4418
Hunter-Lab	78.3800, -15.5847, -13.1838

# Details

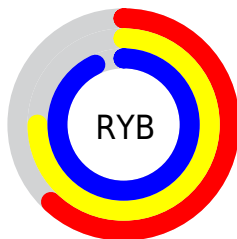
The Yxy color **61.4343, 0.2607, 0.3000** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.6765, 0.3839, 0.3560**, and the grayscale version is **57.4625, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0361, 0.2883, 0.3289**, and **30.9985, 0.2479, 0.2920** is the 20% darker color. If you saturate the color by 10%, you get **55.7750, 0.2466, 0.2899**, and if you desaturate by 10%, it is **67.7196, 0.2756, 0.3094**.

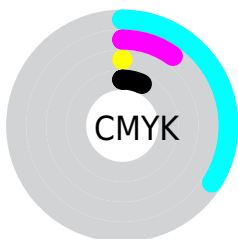
# Distribution



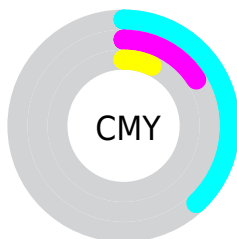
- Red (62%)
- Green (84%)
- Blue (93%)



- Red (62%)
- Yellow (75%)
- Blue (93%)



- Cyan (34%)
- Magenta (10%)
- Yellow (0%)
- Black (7%)



- Cyan (38%)
- Magenta (16%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.4343, 0.2607, 0.3000 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 61.4343, 0.2607, 0.3000 by changing the saturation by 10% instead.



61.4343, 0.2607,  
0.3000

61.4343, 0.2607,  
0.3000

429.8646, 0.2850,  
0.3142

44.5758, 0.2551,  
0.2966

106.9075, 0.2692,  
0.3050

31.1234, 0.2482,  
0.2923

136.2910, 0.2725,  
0.3070

20.6928, 0.2394,  
0.2867

170.6182, 0.2753,  
0.3086

12.8997, 0.2279,  
0.2793

210.2736, 0.2777,  
0.3100

7.3595, 0.2123,  
0.2687

255.6415, 0.2799,  
0.3113

3.6879, 0.1900,  
0.2527

307.1064, 0.2818,

1.5006, 0.1562,

0.3123

0.2265

365.0526, 0.2835,  
0.3133

0.2891, 0.0000,  
0.1472

0.0000, 0.0000,  
0.0000

61.4343, 0.2607,  
0.3000

61.4343, 0.2607,  
0.3000

55.7750, 0.2466,  
0.2899

67.7196, 0.2756,  
0.3094

50.7055, 0.2336,  
0.2792

74.6507, 0.2910,  
0.3181

46.1960, 0.2221,  
0.2681

82.2550, 0.3065,  
0.3260

42.2110, 0.2125,  
0.2568

90.5561, 0.3218,  
0.3331

■ 38.7091, 0.2048,  
0.2455

■ 95.3712, 0.3231,  
0.3399

■ 35.6405, 0.1992,  
0.2343

■ 98.9552, 0.3226,  
0.3453

■ 33.9755, 0.1966,  
0.2277

# Harmonies

## Analogous

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



61.4343, 0.2663, 0.3230



61.4343, 0.2607, 0.3000



61.4343, 0.2682, 0.2862

# Triad

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



61.4343, 0.2607, 0.3000



61.4343, 0.3413, 0.3096



61.4343, 0.3370, 0.3782

# Complementary

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



61.4343, 0.2607, 0.3000



53.6765, 0.3839, 0.3560

# 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.



61.4343, 0.3585, 0.3719



61.4343, 0.2607, 0.3000



61.4343, 0.3613, 0.3319

# Square

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



61.4343, 0.2607, 0.3000



61.4343, 0.3139, 0.2923



61.4343, 0.3676, 0.3545



61.4343, 0.3097, 0.3700



# Rectangle

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



61.4343, 0.2607, 0.3000



61.4343, 0.2798, 0.2833



61.4343, 0.3676, 0.3545



61.4343, 0.3452, 0.3776

# Sweetspot

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



61.4367, 0.2607, 0.3000



90.7499, 0.2972, 0.3214



71.6312, 0.2953, 0.4012



19.1599, 0.2950, 0.3203



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

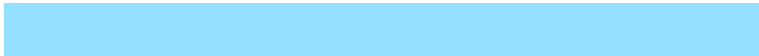


# Same Dimension

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



61.4367, 0.2607, 0.3000



67.0551, 0.2506, 0.2929



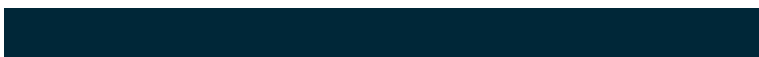
43.8285, 0.2541, 0.2498



17.0912, 0.2981, 0.3218



19.1843, 0.1971, 0.2294



1.7681, 0.2011, 0.2441



# Inverse Universe

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



47.1501, 0.3375, 0.2676



48.5981, 0.3444, 0.2548



72.0548, 0.3698, 0.3972



15.9469, 0.3183, 0.3125



11.7300, 0.4133, 0.2050

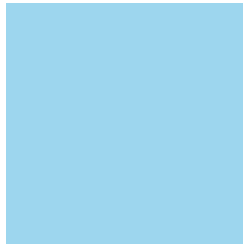


0.9932, 0.3982, 0.1967



# Previews

## White Background



This preview shows how the Yxy color 61.4343, 0.2607, 0.3000 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

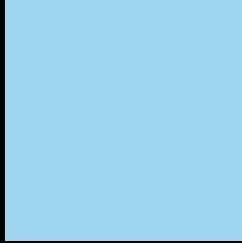
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.4343, 0.2607, 0.3000 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

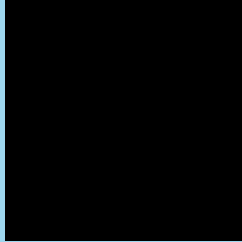
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 61.4343, 0.2607, 0.3000**

## Background



This preview shows how black text looks on a background with the Yxy color 61.4343, 0.2607, 0.3000.



This preview shows how white text looks on a background with the Yxy color 61.4343, 0.2607, 0.3000.

# 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

61.4343, 0.2607, 0.3000

### Protanopia

60.8989, 0.2921, 0.2971

### Deuteranopia

60.9248, 0.2898, 0.2835



## Tritanopia

61.4950, 0.2635, 0.3082

# Trichromacy



## Original Color

61.4343, 0.2607, 0.3000

## Protanomaly

60.8804, 0.2794, 0.2975

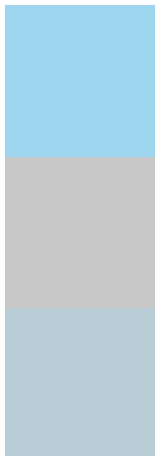
## Deuteranomaly

60.7727, 0.2783, 0.2888

## Tritanomaly

61.6093, 0.2624, 0.3059

# Monochromacy



## Original Color

61.4343, 0.2607, 0.3000

## Achromatopsia

57.7580, 0.3127, 0.3290

## Achromatomaly

58.7080, 0.2912, 0.3181

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  61.4343, 0.2607, 0.3000 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(157, 214, 238)` looks like.

```
.text, #text, p{  
    color:rgb(157, 214, 238)  
}
```

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(157, 214, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 214, 238) }
```

## Border

The CSS property to change the border of an element to Yxy 61.4343, 0.2607, 0.3000 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(157, 214, 238) }
```

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

```
.border{ border-color:rgb(157, 214, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 214, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 214, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 214, 238);  
box-shadow:4px 4px 4px 4px rgb(157, 214,  
238) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.4343, 0.2607, 0.3000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 214, 238) }
```

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

```
.background{ background-color: rgb(157,  
214, 238) }
```

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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