

# Converting Colors

$Yxy(61.3033, 0.2601, 0.2867)$

Have a look what the booklet for  
Yxy(61.3033, 0.2601, 0.2867)  
contains.

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# Color

**Yxy(61.3033, 0.2601, 0.2867)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A5D3F7
RGB	165, 211, 247
RGB Percent	65%, 83%, 97%
CMY	0.3526, 0.1726, 0.0313
CMYK	0.33, 0.15, 0.00, 0.03
HSL	206°, 84%, 81%
HSV	206°, 33%, 97%
XYZ	55.6156, 61.3033, 96.9050
YIQ	201.3500, -38.9720, 1.4440

# Conversions

## Conversions Part 2

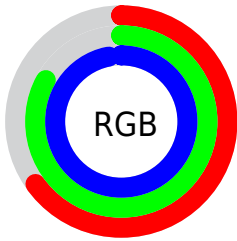
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	165, 194, 247
Decimal	10867703
CIE Lab	82.54, -6.54, -22.48
CIE LCh	83, 23.413, 253.773
Yxy	61.3033, 0.2601, 0.2867
Android (android.graphics.Color)	4289057783 (0xFFA5D3F7)
YUV	201.3500, 22.5054, -31.8790
Hunter-Lab	78.2964, -10.2265, -18.5738

# Details

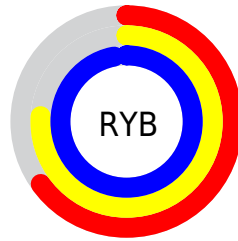
The Yxy color **61.3033, 0.2601, 0.2867** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **64.3286, 0.3776, 0.3676**, and the grayscale version is **58.5254, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **31.1905, 0.2470, 0.2762** is the 20% darker color. If you saturate the color by 10%, you get **53.6893, 0.2444, 0.2713**, and if you desaturate by 10%, it is **69.7986, 0.2762, 0.3009**.

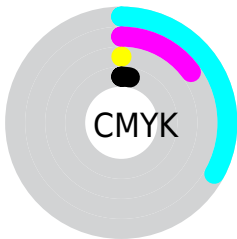
# Distribution



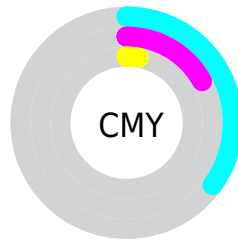
- Red (65%)
- Green (83%)
- Blue (97%)



- Red (65%)
- Yellow (76%)
- Blue (97%)



- Cyan (33%)
- Magenta (15%)
- Yellow (0%)
- Black (3%)




- Cyan (35%)
- Magenta (17%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.3033, 0.2601, 0.2867 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 61.3033, 0.2601, 0.2867 by changing the saturation by 10% instead.




 61.3033, 0.2601,  
0.2867


 61.3033, 0.2601,  
0.2867


429.3852, 0.2847,  
0.3069

 44.4700, 0.2544,  
0.2820


 106.7180, 0.2687,  
0.2938

 31.0402, 0.2475,  
0.2761


 136.0681, 0.2720,  
0.2966

 20.6294, 0.2386,  
0.2685


170.3593, 0.2749,  
0.2989

 12.8534, 0.2271,  
0.2585

209.9760, 0.2773,  
0.3009

 7.3277, 0.2114,  
0.2447

255.3025, 0.2795,  
0.3027

 3.6679, 0.1892,  
0.2246

306.7233, 0.2815,

 1.4896, 0.1559,

0.3043

0.1933

364.6227, 0.2832,  
0.3057

0.2814, 0.0416,  
0.1088

0.0000, 0.0000,  
0.0000

61.3033, 0.2601,  
0.2867

61.3033, 0.2601,  
0.2867

53.6893, 0.2444,  
0.2713

69.7986, 0.2762,  
0.3009

46.9126, 0.2294,  
0.2550

79.2022, 0.2922,  
0.3139

40.9357, 0.2157,  
0.2380

89.5483, 0.3079,  
0.3256

35.7145, 0.2037,  
0.2207

99.1396, 0.3174,  
0.3361

■ 31.1988, 0.1938,  
0.2034

■ 99.4961, 0.3173,  
0.3366

■ 27.3290, 0.1862,  
0.1866

■ 24.9982, 0.1821,  
0.1756

# Harmonies

## Analogous

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



61.3033, 0.2571, 0.3056



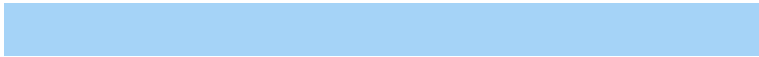
61.3033, 0.2601, 0.2867



61.3033, 0.2764, 0.2797

# Triad

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



61.3033, 0.2601, 0.2867



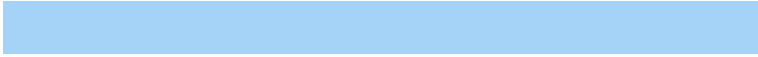
61.3033, 0.3589, 0.3229



61.3033, 0.3203, 0.3787

# Complementary

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



61.3033, 0.2601, 0.2867



64.3286, 0.3776, 0.3676

# 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.



61.3033, 0.3485, 0.3815



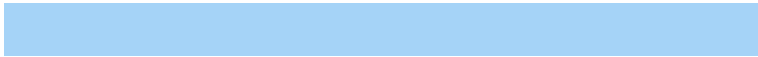
61.3033, 0.2601, 0.2867



61.3033, 0.3717, 0.3479

# Square

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



61.3033, 0.2601, 0.2867



61.3033, 0.3333, 0.3004



61.3033, 0.3677, 0.3695

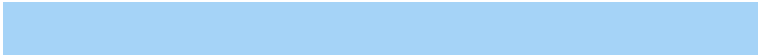


61.3033, 0.2909, 0.3603



# Rectangle

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



61.3033, 0.2601, 0.2867



61.3033, 0.2933, 0.2818



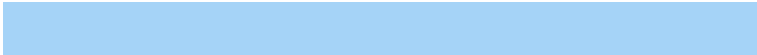
61.3033, 0.3677, 0.3695



61.3033, 0.3302, 0.3814

# Sweetspot

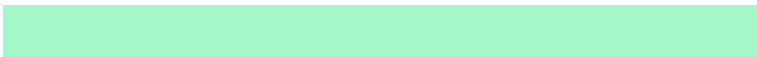
The Sweet Spot groups the original color and five complimentary colors.



61.3057, 0.2601, 0.2867



88.5319, 0.2972, 0.3177



78.7360, 0.2891, 0.3839



18.6223, 0.2949, 0.3160



0.0000, 0.0000, 0.0000

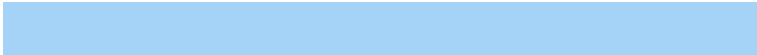


21.4041, 0.3127, 0.3290

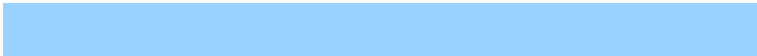


# Same Dimension

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



61.3057, 0.2601, 0.2867



60.1529, 0.2492, 0.2762



43.6853, 0.2538, 0.2368



17.4667, 0.2980, 0.3183



13.5074, 0.1829, 0.1782



1.3917, 0.1886, 0.1988



# Inverse Universe

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



51.4240, 0.3471, 0.2807



48.7024, 0.3570, 0.2705



85.7331, 0.3645, 0.4070



16.6380, 0.3206, 0.3158



11.4630, 0.4706, 0.2366

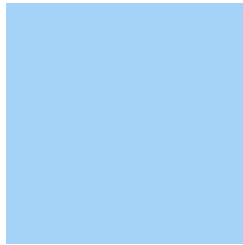


1.0281, 0.4467, 0.2234



# Previews

## White Background



This preview shows how the Yxy color 61.3033, 0.2601, 0.2867 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

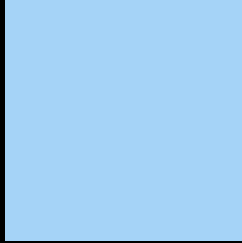
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.3033, 0.2601, 0.2867 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

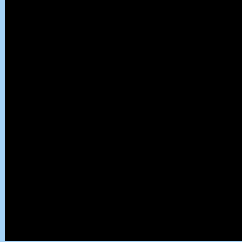
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

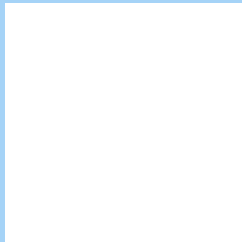
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 61.3033, 0.2601, 0.2867**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.3033, 0.2601, 0.2867.

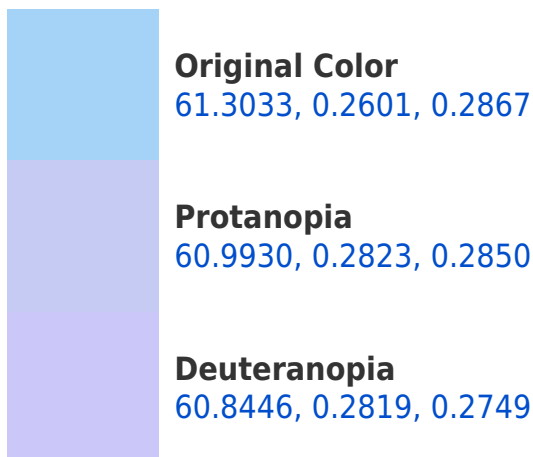


This preview shows how white text looks on a background with the Yxy color 61.3033, 0.2601, 0.2867.

# 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

61.4397, 0.2668, 0.3083

# Trichromacy



**Original Color**

61.3033, 0.2601, 0.2867

**Protanomaly**

60.9886, 0.2733, 0.2854

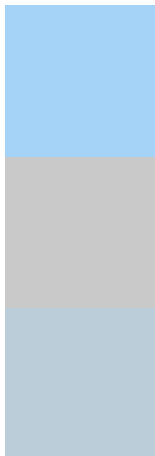
**Deuteranomaly**

60.7819, 0.2734, 0.2792

**Tritanomaly**

61.3843, 0.2640, 0.3002

# Monochromacy



**Original Color**

61.3033, 0.2601, 0.2867

**Achromatopsia**

58.4078, 0.3127, 0.3290

**Achromatomaly**

59.4160, 0.2914, 0.3135

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.3033, 0.2601, 0.2867 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(165, 211, 247)` looks like.

```
.text, #text, p{  
    color:rgb(165, 211, 247)  
}
```

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(165, 211, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 211, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 61.3033, 0.2601, 0.2867 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(165, 211, 247) }
```

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

```
.border{ border-color:rgb(165, 211, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 211, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 211, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 211, 247);  
box-shadow:4px 4px 4px 4px rgb(165, 211,  
247) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.3033, 0.2601, 0.2867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 211, 247) }
```

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

```
.background{ background-color: rgb(165,  
211, 247) }
```

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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