

# Converting Colors

Yxy(61.4965, 0.2681, 0.2946)

Have a look what the booklet for  
Yxy(61.4965, 0.2681, 0.2946)  
contains.

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# Color

**Yxy(61.6505, 0.2680, 0.2949)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ACD3F0
RGB	172, 211, 240
RGB Percent	67%, 83%, 94%
CMY	0.3257, 0.1725, 0.0589
CMYK	0.28, 0.12, 0.00, 0.06
HSL	206°, 69%, 81%
HSV	206°, 28%, 94%
XYZ	56.0269, 61.6505, 91.3782
YIQ	202.6450, -32.5530, 0.7510

# Conversions

## Conversions Part 2

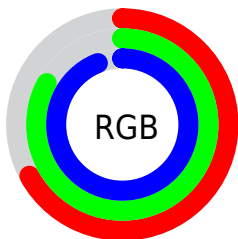
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	172, 197, 240
Decimal	11326448
CIE <sub>Lab</sub>	82.73, -6.31, -18.43
CIE <sub>LCh</sub>	83, 19.483, 251.088
Yxy	61.6505, 0.2680, 0.2949
Android (android.graphics.Color)	4289516528 (0xFFACD3F0)
YUV	202.6450, 18.4160, -26.8757
Hunter-Lab	78.5178, -10.0364, -14.0386

# Details

The Yxy color **61.6505, 0.2680, 0.2949** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **63.2424, 0.3665, 0.3607**, and the grayscale version is **59.3808, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3980, 0.2970, 0.3290**, and **31.4262, 0.2573, 0.2869** is the 20% darker color. If you saturate the color by 10%, you get **54.2604, 0.2522, 0.2806**, and if you desaturate by 10%, it is **69.8588, 0.2840, 0.3080**.

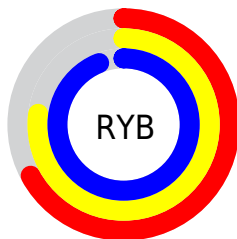
# Distribution



Red (67%)

Green (83%)

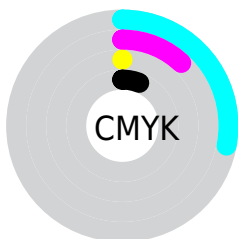
Blue (94%)



Red (67%)

Yellow (77%)

Blue (94%)

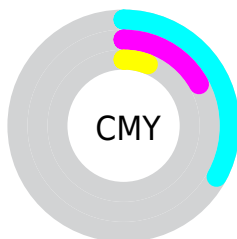


Cyan (28%)

Magenta (12%)

Yellow (0%)

Black (6%)



Cyan (33%)

Magenta (17%)

Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.6505, 0.2680, 0.2949 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 61.6505, 0.2680, 0.2949 by changing the saturation by 10% instead.



■ 61.6505, 0.2680,  
0.2949

■ 61.6505, 0.2680,  
0.2949

430.6551, 0.2890,  
0.3112

■ 44.7504, 0.2632,  
0.2910

■ 107.2202, 0.2753,  
0.3007

■ 31.2608, 0.2571,  
0.2862

136.6586, 0.2782,  
0.3029

■ 20.7975, 0.2495,  
0.2800

171.0452, 0.2806,  
0.3048

■ 12.9761, 0.2395,  
0.2718

210.7644, 0.2827,  
0.3064

■ 7.4121, 0.2258,  
0.2603

256.2006, 0.2846,  
0.3078

■ 3.7211, 0.2060,  
0.2434

307.7382, 0.2862,

■ 1.5188, 0.1756,

0.3091

365.7615, 0.2877,  
0.3102

0.2162

0.3019, 0.0601,  
0.1366

0.0000, 0.0000,  
0.0000

61.6505, 0.2680,  
0.2949

61.6505, 0.2680,  
0.2949

54.2604, 0.2522,  
0.2806

69.8588, 0.2840,  
0.3080

47.6487, 0.2370,  
0.2653

78.9080, 0.2998,  
0.3200

41.7829, 0.2229,  
0.2492

88.8292, 0.3152,  
0.3307

36.6244, 0.2102,  
0.2326

97.1092, 0.3217,  
0.3405

■ 32.1304, 0.1994,  
0.2158

■ 99.0708, 0.3214,  
0.3434

■ 28.2508, 0.1909,  
0.1993

■ 24.9175, 0.1845,  
0.1833

■ 24.4052, 0.1836,  
0.1807

# Harmonies

## Analogous

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



61.6505, 0.2666, 0.3116



61.6505, 0.2680, 0.2949



61.6505, 0.2809, 0.2878

# Triad

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



61.6505, 0.2680, 0.2949



61.6505, 0.3495, 0.3223



61.6505, 0.3214, 0.3707

# Complementary

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



61.6505, 0.2680, 0.2949



63.2424, 0.3665, 0.3607

# 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.



61.6505, 0.3444, 0.3721



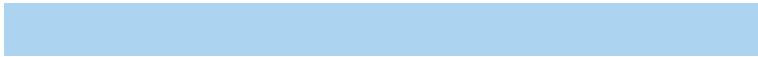
61.6505, 0.2680, 0.2949



61.6505, 0.3612, 0.3432

# Square

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



61.6505, 0.2680, 0.2949



61.6505, 0.3277, 0.3036



61.6505, 0.3592, 0.3616



61.6505, 0.2968, 0.3566



# Rectangle

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



61.6505, 0.2680, 0.2949



61.6505, 0.2946, 0.2889



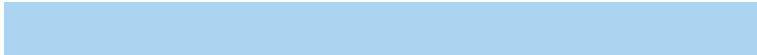
61.6505, 0.3592, 0.3616



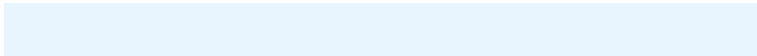
61.6505, 0.3296, 0.3726

# Sweetspot

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



61.6530, 0.2680, 0.2949



89.8257, 0.2987, 0.3192



75.2659, 0.2929, 0.3760



18.8908, 0.2964, 0.3175



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

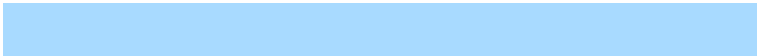


# Same Dimension

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



61.6530, 0.2680, 0.2949



65.7596, 0.2589, 0.2868



46.7482, 0.2637, 0.2538



16.7357, 0.2980, 0.3187



13.6300, 0.1843, 0.1833



1.3307, 0.1901, 0.2043



# Inverse Universe

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



52.7160, 0.3399, 0.2870



54.4421, 0.3473, 0.2782



80.5306, 0.3571, 0.3945



15.9110, 0.3203, 0.3155



11.1693, 0.4646, 0.2333

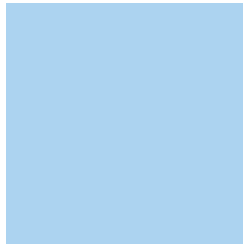


0.9491, 0.4405, 0.2200



# Previews

## White Background



This preview shows how the Yxy color 61.6505, 0.2680, 0.2949 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

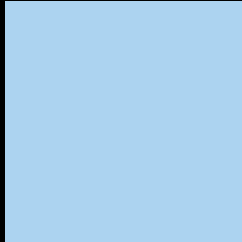
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.6505, 0.2680, 0.2949 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

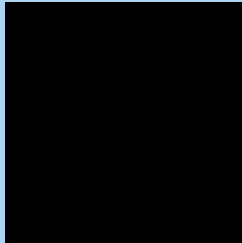
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

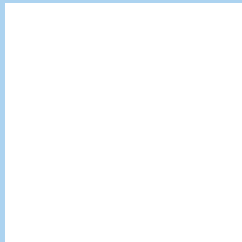
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 61.6505, 0.2680, 0.2949**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.6505, 0.2680, 0.2949.



This preview shows how white text looks on a background with the Yxy color 61.6505, 0.2680, 0.2949.

# 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

61.6505, 0.2680, 0.2949

### Protanopia

61.4632, 0.2888, 0.2939

### Deuteranopia

61.5940, 0.2899, 0.2837



## Tritanopia

61.8477, 0.2727, 0.3086

# Trichromacy



**Original Color**

61.6505, 0.2680, 0.2949

**Protanomaly**

61.6872, 0.2809, 0.2945

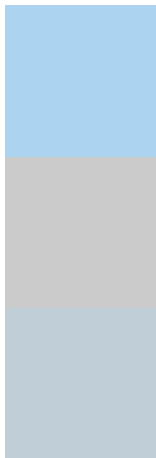
**Deuteranomaly**

61.6156, 0.2817, 0.2882

**Tritanomaly**

61.6854, 0.2709, 0.3028

# Monochromacy



**Original Color**

61.6505, 0.2680, 0.2949

**Achromatopsia**

59.7202, 0.3127, 0.3290

**Achromatomaly**

60.3069, 0.2956, 0.3171

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.6505, 0.2680, 0.2949 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(172, 211, 240)` looks like.

```
.text, #text, p{  
    color:rgb(172, 211, 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(172, 211, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 211, 240) }
```

## Border

The CSS property to change the border of an element to Yxy 61.6505, 0.2680, 0.2949 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(172, 211, 240) }
```

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

```
.border{ border-color:rgb(172, 211, 240) }
```

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

Here you see how a box with a 4 pixel rgb(172, 211, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 211, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 211, 240);  
box-shadow:4px 4px 4px 4px rgb(172, 211,  
240) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.6505, 0.2680, 0.2949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 211, 240) }
```

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

```
.background{ background-color: rgb(172,  
211, 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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