

# Converting Colors

$Yxy(69.3893, 0.2674, 0.2992)$

Have a look what the booklet for  
Yxy(69.3893, 0.2674, 0.2992)  
contains.

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# Color

**Yxy(69.5605, 0.2672, 0.2996)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1E0FA
RGB	177, 224, 250
RGB Percent	69%, 88%, 98%
CMY	0.3059, 0.1215, 0.0197
CMYK	0.29, 0.10, 0.00, 0.02
HSL	201°, 88%, 84%
HSV	201°, 29%, 98%
XYZ	62.0379, 69.5605, 100.5795
YIQ	212.9110, -36.3580, -1.8780

# Conversions

## Conversions Part 2

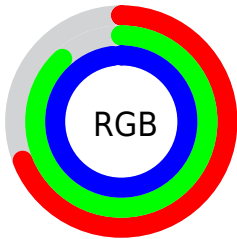
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	177, 206, 250
Decimal	11657466
CIE <sub>Lab</sub>	86.78, -9.30, -17.57
CIE <sub>LCh</sub>	87, 19.882, 242.109
Yxy	69.5605, 0.2672, 0.2996
Android (android.graphics.Color)	4289847546 (0xFFB1E0FA)
YUV	212.9110, 18.2849, -31.4939
Hunter-Lab	83.4029, -13.1808, -13.1185

# Details

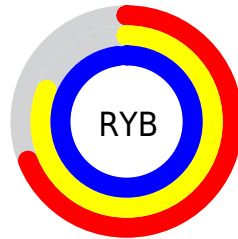
The Yxy color **69.5605, 0.2672, 0.2996** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **66.1884, 0.3701, 0.3566**, and the grayscale version is **66.3708, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **36.3638, 0.2568, 0.2933** is the 20% darker color. If you saturate the color by 10%, you get **62.2349, 0.2521, 0.2877**, and if you desaturate by 10%, it is **77.6794, 0.2828, 0.3106**.

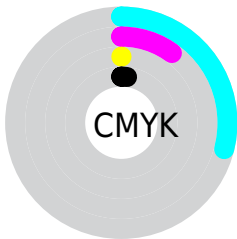
# Distribution



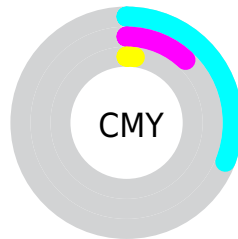
- Red (69%)
- Green (88%)
- Blue (98%)



- Red (69%)
- Yellow (81%)
- Blue (98%)



- Cyan (29%)
- Magenta (10%)
- Yellow (0%)
- Black (2%)



- Cyan (31%)
- Magenta (12%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.5605, 0.2672, 0.2996 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 69.5605, 0.2672, 0.2996 by changing the saturation by 10% instead.



69.5605, 0.2672,  
0.2996

69.5605, 0.2672,  
0.2996

459.0053, 0.2881,  
0.3135

51.1683, 0.2625,  
0.2964

118.5818, 0.2744,  
0.3045

36.3426, 0.2567,  
0.2923

149.9797, 0.2772,  
0.3064

24.6989, 0.2494,  
0.2872

186.4816, 0.2796,  
0.3080

15.8529, 0.2400,  
0.2805

228.4719, 0.2818,  
0.3094

9.4201, 0.2274,  
0.2712

276.3351, 0.2836,  
0.3106

5.0162, 0.2097,  
0.2577

330.4554, 0.2853,

2.2568, 0.1833,

0.3117

0.2365

391.2174, 0.2868,  
0.3126

0.7507, 0.1301,  
0.2008

0.0000, 0.0000,  
0.0000

69.5605, 0.2672,  
0.2996

69.5605, 0.2672,  
0.2996

62.2349, 0.2521,  
0.2877

77.6794, 0.2828,  
0.3106

55.6611, 0.2378,  
0.2750

86.6142, 0.2985,  
0.3206

49.8058, 0.2247,  
0.2616

96.3965, 0.3140,  
0.3297

44.6292, 0.2132,  
0.2479

99.6807, 0.3156,  
0.3338

■ 40.0863, 0.2037,  
0.2340

■ 36.1242, 0.1963,  
0.2202

■ 32.6651, 0.1909,  
0.2068

■ 32.4013, 0.1905,  
0.2057

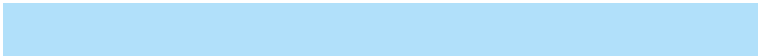
# Harmonies

## Analogous

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



69.5605, 0.2693, 0.3183



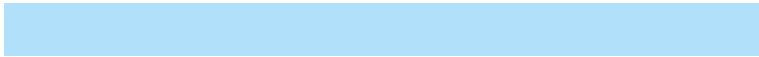
69.5605, 0.2672, 0.2996



69.5605, 0.2766, 0.2896

# Triad

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



69.5605, 0.2672, 0.2996



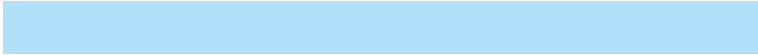
69.5605, 0.3431, 0.3165



69.5605, 0.3285, 0.3716

# Complementary

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



69.5605, 0.2672, 0.2996



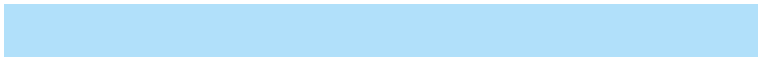
66.1884, 0.3701, 0.3566

# 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.



69.5605, 0.3493, 0.3693



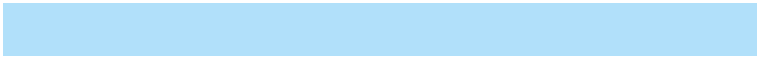
69.5605, 0.2672, 0.2996



69.5605, 0.3581, 0.3369

# Square

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



69.5605, 0.2672, 0.2996



69.5605, 0.3200, 0.2996



69.5605, 0.3603, 0.3562

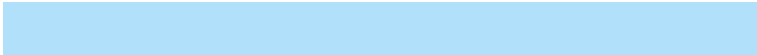


69.5605, 0.3041, 0.3613



# Rectangle

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



69.5605, 0.2672, 0.2996



69.5605, 0.2885, 0.2887



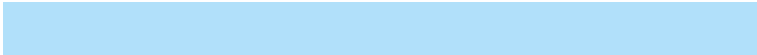
69.5605, 0.3603, 0.3562



69.5605, 0.3362, 0.3722

# Sweetspot

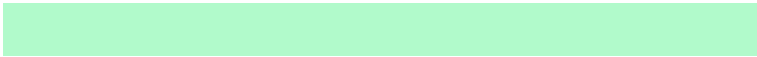
The Sweet Spot groups the original color and five complimentary colors.



69.5633, 0.2672, 0.2996



90.8042, 0.2987, 0.3208



81.9935, 0.2949, 0.3836



19.1322, 0.2965, 0.3194



0.0000, 0.0000, 0.0000

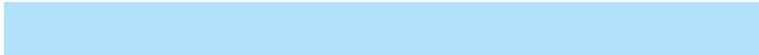


21.4041, 0.3127, 0.3290

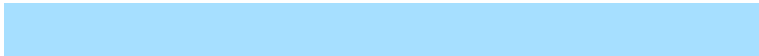


# Same Dimension

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



69.5633, 0.2672, 0.2996



68.2054, 0.2583, 0.2927



52.1889, 0.2625, 0.2568



18.5086, 0.2980, 0.3204



17.4717, 0.1911, 0.2079



1.8181, 0.1956, 0.2240



# Inverse Universe

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



57.1443, 0.3368, 0.2806



53.7825, 0.3431, 0.2706



85.2445, 0.3598, 0.3921



17.4136, 0.3193, 0.3138



12.1747, 0.4364, 0.2178

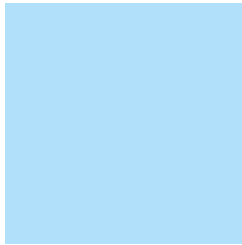


1.1478, 0.4189, 0.2082



# Previews

## White Background



This preview shows how the Yxy color 69.5605, 0.2672, 0.2996 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

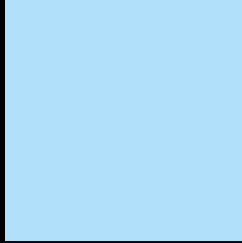
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.5605, 0.2672, 0.2996 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

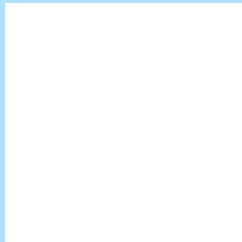
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.5605, 0.2672, 0.2996**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.5605, 0.2672, 0.2996.

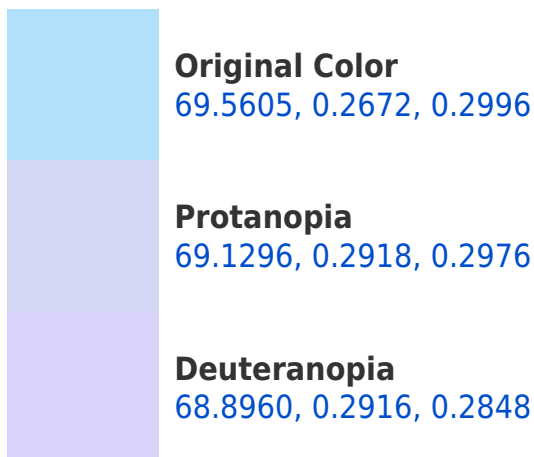


This preview shows how white text looks on a background with the Yxy color 69.5605, 0.2672, 0.2996.

# 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

69.4355, 0.2699, 0.3083

# Trichromacy



**Original Color**

69.5605, 0.2672, 0.2996

**Protanomaly**

68.9387, 0.2822, 0.2981

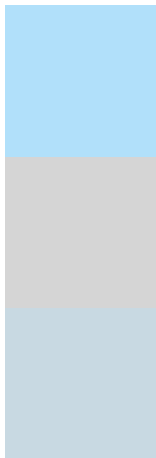
**Deuteranomaly**

68.9774, 0.2818, 0.2900

**Tritanomaly**

69.7344, 0.2689, 0.3050

# Monochromacy



**Original Color**

69.5605, 0.2672, 0.2996

**Achromatopsia**

66.5387, 0.3127, 0.3290

**Achromatomaly**

67.3961, 0.2949, 0.3188

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.5605, 0.2672, 0.2996 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(177, 224, 250)` looks like.

```
.text, #text, p{  
    color:rgb(177, 224, 250)  
}
```

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(177, 224, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 224, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 69.5605, 0.2672, 0.2996 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(177, 224, 250) }
```

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

```
.border{ border-color:rgb(177, 224, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 224, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 224, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 224, 250);  
box-shadow:4px 4px 4px 4px rgb(177, 224,  
250) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.5605, 0.2672, 0.2996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 224, 250) }
```

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

```
.background{ background-color: rgb(177,  
224, 250) }
```

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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