

# Converting Colors

$Yxy(69.6673, 0.2635, 0.3026)$

Have a look what the booklet for  
Yxy(69.6673, 0.2635, 0.3026)  
contains.

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# **Color**

**Yxy(69.6673, 0.2635, 0.3026)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A9E2F9
RGB	169, 226, 249
RGB Percent	66%, 89%, 98%
CMY	0.3371, 0.1137, 0.0234
CMYK	0.32, 0.09, 0.00, 0.02
HSL	197°, 87%, 82%
HSV	197°, 32%, 98%
XYZ	60.6653, 69.6673, 99.8964
YIQ	211.5790, -41.3550, -4.9310

# Conversions

## Conversions Part 2

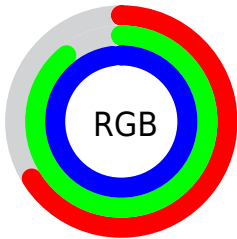
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	169, 202, 249
Decimal	11133689
CIE <sub>Lab</sub>	86.83, -12.75, -17.04
CIE <sub>LCh</sub>	87, 21.282, 233.195
Yxy	69.6673, 0.2635, 0.3026
Android (android.graphics.Color)	4289323769 (0xFFA9E2F9)
YUV	211.5790, 18.4486, -37.3418
Hunter-Lab	83.4669, -16.3300, -12.5336

# Details

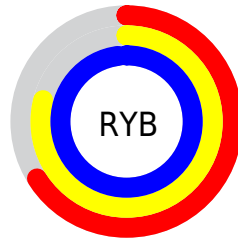
The Yxy color **69.6673, 0.2635, 0.3026** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **60.7392, 0.3792, 0.3538**, and the grayscale version is **65.4465, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9088, 0.2952, 0.3289**, and **36.5535, 0.2519, 0.2959** is the 20% darker color. If you saturate the color by 10%, you get **63.3539, 0.2493, 0.2929**, and if you desaturate by 10%, it is **76.6739, 0.2785, 0.3116**.

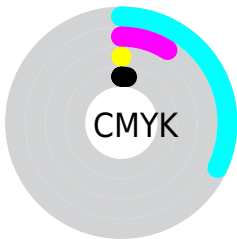
# Distribution



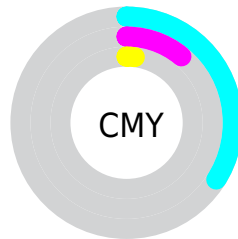
- Red (66%)
- Green (89%)
- Blue (98%)



- Red (66%)
- Yellow (79%)
- Blue (98%)



- Cyan (32%)
- Magenta (9%)
- Yellow (0%)
- Black (2%)



- Cyan (34%)
- Magenta (11%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.6673, 0.2635, 0.3026 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 69.6673, 0.2635, 0.3026 by changing the saturation by 10% instead.



69.6673, 0.2635,  
0.3026

69.6673, 0.2635,  
0.3026

459.3810, 0.2860,  
0.3152

51.2553, 0.2584,  
0.2996

118.7342, 0.2713,  
0.3070

36.4119, 0.2522,  
0.2959

150.1579, 0.2743,  
0.3088

24.7525, 0.2444,  
0.2912

186.6877, 0.2769,  
0.3102

15.8927, 0.2343,  
0.2849

228.7079, 0.2792,  
0.3115

9.4483, 0.2208,  
0.2762

276.6029, 0.2812,  
0.3126

5.0347, 0.2020,  
0.2634

330.7572, 0.2830,

2.2676, 0.1741,

0.3136

0.2431

391.5551, 0.2846,  
0.3144

0.7565, 0.1131,  
0.2097

0.0000, 0.0000,  
0.0000

69.6673, 0.2635,  
0.3026

69.6673, 0.2635,  
0.3026

63.3539, 0.2493,  
0.2929

76.6739, 0.2785,  
0.3116

57.6935, 0.2361,  
0.2826

84.3948, 0.2939,  
0.3200

52.6541, 0.2244,  
0.2719

92.8602, 0.3094,  
0.3275

48.1968, 0.2146,  
0.2610

99.4162, 0.3162,  
0.3344

■ 44.2770, 0.2067,  
0.2499

■ 99.6215, 0.3162,  
0.3347

■ 40.8415, 0.2008,  
0.2390

■ 38.4142, 0.1974,  
0.2305

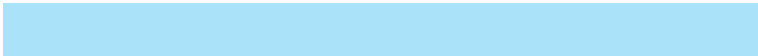
# Harmonies

## Analogous

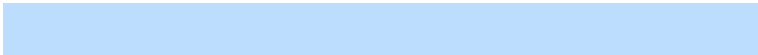
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.6673, 0.2694, 0.3246



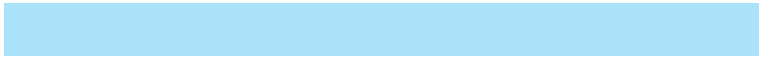
69.6673, 0.2635, 0.3026



69.6673, 0.2700, 0.2890

# Triad

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



69.6673, 0.2635, 0.3026



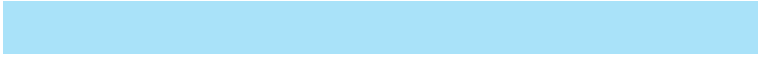
69.6673, 0.3385, 0.3097



69.6673, 0.3369, 0.3753

# Complementary

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



69.6673, 0.2635, 0.3026



60.7392, 0.3792, 0.3538

# 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.



69.6673, 0.3566, 0.3689



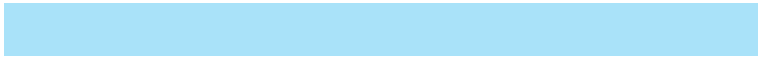
69.6673, 0.2635, 0.3026



69.6673, 0.3578, 0.3307

# Square

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



69.6673, 0.2635, 0.3026



69.6673, 0.3126, 0.2937



69.6673, 0.3645, 0.3522

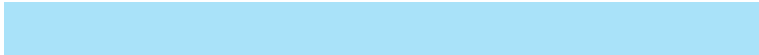


69.6673, 0.3112, 0.3683



# Rectangle

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



69.6673, 0.2635, 0.3026



69.6673, 0.2807, 0.2858



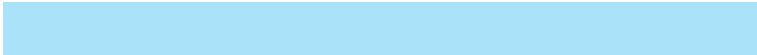
69.6673, 0.3645, 0.3522



69.6673, 0.3445, 0.3746

# Sweetspot

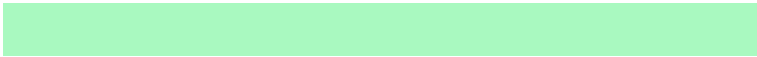
The Sweet Spot groups the original color and five complimentary colors.



69.6701, 0.2635, 0.3026



90.8848, 0.2972, 0.3216



80.0012, 0.2961, 0.3966



19.1926, 0.2950, 0.3205



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

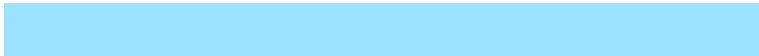


# Same Dimension

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



69.6701, 0.2635, 0.3026



68.8341, 0.2535, 0.2959



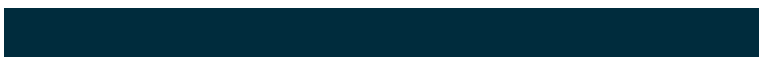
50.5511, 0.2576, 0.2548



18.7146, 0.2980, 0.3220



20.8125, 0.1979, 0.2323



2.1092, 0.2015, 0.2452



# Inverse Universe

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



54.0233, 0.3352, 0.2703



50.3972, 0.3416, 0.2576



80.5542, 0.3664, 0.3935



17.4344, 0.3182, 0.3123



12.5119, 0.4102, 0.2034

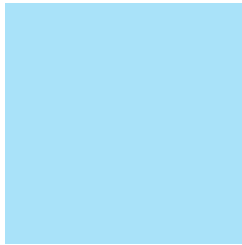


1.1772, 0.3970, 0.1961



# Previews

## White Background



This preview shows how the Yxy color 69.6673, 0.2635, 0.3026 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

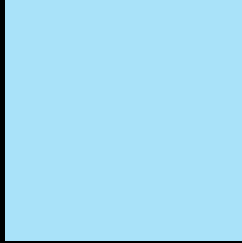
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.6673, 0.2635, 0.3026 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 69.6673, 0.2635, 0.3026**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.6673, 0.2635, 0.3026.

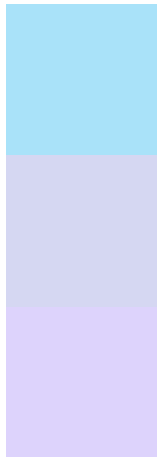


This preview shows how white text looks on a background with the Yxy color 69.6673, 0.2635, 0.3026.

# 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

69.6673, 0.2635, 0.3026

### Protanopia

69.1578, 0.2937, 0.2998

### Deuteranopia

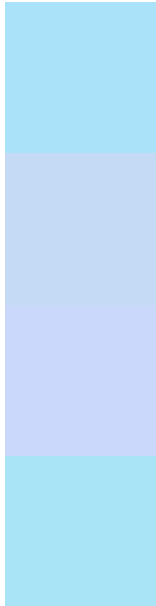
68.9890, 0.2929, 0.2858



## Tritanopia

69.8556, 0.2652, 0.3082

# Trichromacy



**Original Color**

69.6673, 0.2635, 0.3026

**Protanomaly**

69.1259, 0.2816, 0.3002

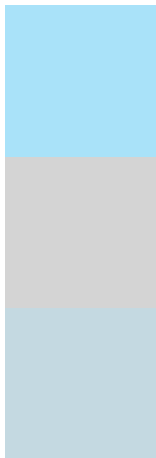
**Deuteranomaly**

68.6333, 0.2811, 0.2908

**Tritanomaly**

69.9168, 0.2646, 0.3071

# Monochromacy



**Original Color**

69.6673, 0.2635, 0.3026

**Achromatopsia**

65.8375, 0.3127, 0.3290

**Achromatomaly**

66.7977, 0.2929, 0.3198

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.6673, 0.2635, 0.3026 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(169, 226, 249)` looks like.

```
.text, #text, p{  
    color:rgb(169, 226, 249)  
}
```

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(169, 226, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 226, 249) }
```

## Border

The CSS property to change the border of an element to Yxy 69.6673, 0.2635, 0.3026 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(169, 226, 249) }
```

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

```
.border{ border-color:rgb(169, 226, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 226, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 226, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 226, 249);  
box-shadow:4px 4px 4px 4px rgb(169, 226,  
249) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.6673, 0.2635, 0.3026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 226, 249) }
```

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

```
.background{ background-color: rgb(169,  
226, 249) }
```

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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