

# Converting Colors

$Yxy(71.1919, 0.2448, 0.2722)$

Have a look what the booklet for  
Yxy(71.1919, 0.2448, 0.2722)  
contains.

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# **Color**

**Yxy(69.6318, 0.2559, 0.2969)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A0E3FF
RGB	160, 227, 255
RGB Percent	63%, 89%, 100%
CMY	0.3725, 0.1098, 0.0000
CMYK	0.37, 0.11, 0.00, 0.00
HSL	198°, 100%, 81%
HSV	198°, 37%, 100%
XYZ	60.0161, 69.6318, 104.8816
YIQ	210.1590, -48.9200, -5.4960

# Conversions

## Conversions Part 2

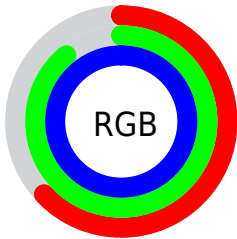
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	160, 199, 255
Decimal	10544127
CIE Lab	86.82, -14.22, -20.25
CIE LCh	87, 24.742, 234.931
Yxy	69.6318, 0.2559, 0.2969
Android (android.graphics.Color)	4288734207 (0xFFA0E3FF)
YUV	210.1590, 22.1066, -43.9894
Hunter-Lab	83.4457, -17.6485, -16.1087

# Details

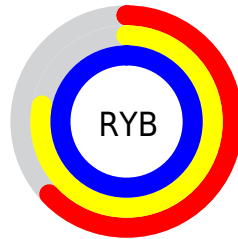
The Yxy color **69.6318, 0.2559, 0.2969** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **59.7640, 0.3934, 0.3586**, and the grayscale version is **64.4369, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4917, 0.2900, 0.3289**, and **36.5253, 0.2432, 0.2898** is the 20% darker color. If you saturate the color by 10%, you get **63.2488, 0.2421, 0.2866**, and if you desaturate by 10%, it is **76.7386, 0.2706, 0.3065**.

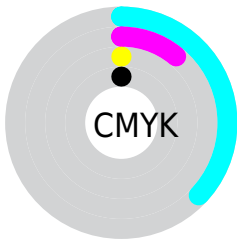
# Distribution



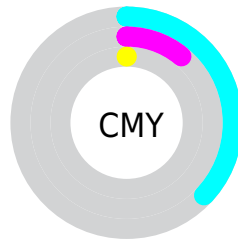
- Red (63%)
- Green (89%)
- Blue (100%)



- Red (63%)
- Yellow (78%)
- Blue (100%)



- Cyan (37%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)




- Cyan (37%)
- Magenta (11%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.6318, 0.2559, 0.2969 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 69.6318, 0.2559, 0.2969 by changing the saturation by 10% instead.




 69.6318, 0.2559,  
0.2969

 69.6318, 0.2559,  
0.2969

459.2561, 0.2818,  
0.3122

 51.2264, 0.2501,  
0.2933


 118.6835, 0.2648,  
0.3023

 36.3888, 0.2430,  
0.2888


 150.0987, 0.2683,  
0.3044

 24.7346, 0.2341,  
0.2831


186.6192, 0.2713,  
0.3062

 15.8795, 0.2228,  
0.2755

228.6294, 0.2739,  
0.3077

 9.4389, 0.2077,  
0.2651

276.5139, 0.2762,  
0.3090

 5.0286, 0.1868,  
0.2500

330.6569, 0.2783,

 2.2640, 0.1566,

0.3102

0.2263

391.4428, 0.2801,  
0.3113

0.7546, 0.0924,  
0.1884

0.0000, 0.0000,  
0.0000

69.6318, 0.2559,  
0.2969

69.6318, 0.2559,  
0.2969

63.2488, 0.2421,  
0.2866

76.7386, 0.2706,  
0.3065

57.5459, 0.2296,  
0.2758

84.5937, 0.2859,  
0.3155

52.4869, 0.2187,  
0.2647

93.2300, 0.3015,  
0.3236

48.0275, 0.2097,  
0.2534

99.9998, 0.3127,  
0.3290

■ 44.1161, 0.2028,  
0.2421

■ 40.6868, 0.1978,  
0.2310

■ 39.8024, 0.1967,  
0.2279

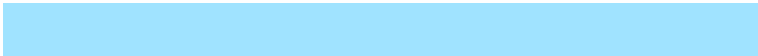
# Harmonies

## Analogous

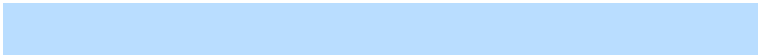
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.6318, 0.2619, 0.3220



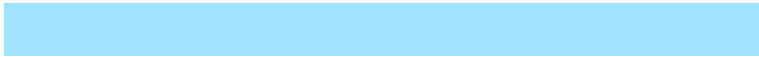
69.6318, 0.2559, 0.2969



69.6318, 0.2641, 0.2820

# Triad

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



69.6318, 0.2559, 0.2969



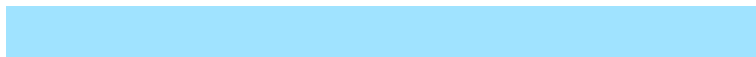
69.6318, 0.3443, 0.3079



69.6318, 0.3390, 0.3831

# Complementary

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



69.6318, 0.2559, 0.2969



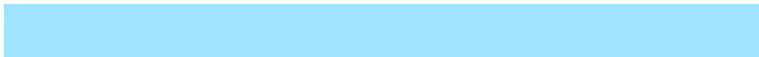
59.7640, 0.3934, 0.3586

# 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.



69.6318, 0.3627, 0.3760



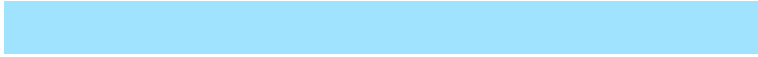
69.6318, 0.2559, 0.2969



69.6318, 0.3662, 0.3322

# Square

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



69.6318, 0.2559, 0.2969



69.6318, 0.3142, 0.2891



69.6318, 0.3730, 0.3569

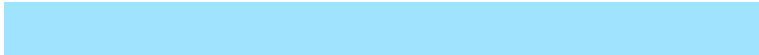


69.6318, 0.3090, 0.3741



# Rectangle

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



69.6318, 0.2559, 0.2969



69.6318, 0.2768, 0.2791



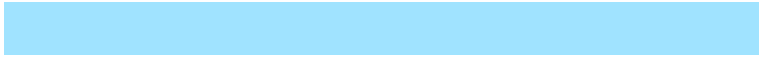
69.6318, 0.3730, 0.3569



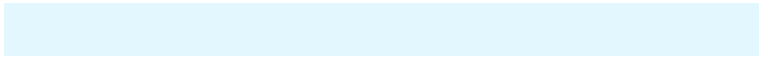
69.6318, 0.3480, 0.3824

# Sweetspot

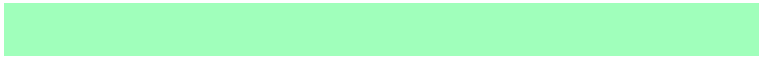
The Sweet Spot groups the original color and five complimentary colors.



69.6345, 0.2559, 0.2969



89.9016, 0.2956, 0.3206



82.5771, 0.2938, 0.4096



18.9907, 0.2935, 0.3195



0.0000, 0.0000, 0.0000

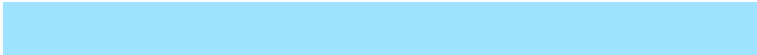


21.4041, 0.3127, 0.3290

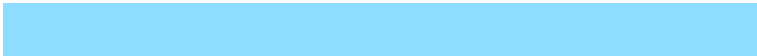


# Same Dimension

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



69.6345, 0.2559, 0.2969



64.6273, 0.2451, 0.2890



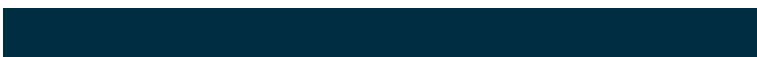
47.5743, 0.2477, 0.2406



19.5242, 0.2980, 0.3218



21.0698, 0.1972, 0.2298



2.2413, 0.2007, 0.2424



# Inverse Universe

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



51.9495, 0.3405, 0.2614



45.3196, 0.3483, 0.2477



82.8807, 0.3759, 0.4039



18.2038, 0.3183, 0.3124



12.8550, 0.4129, 0.2048

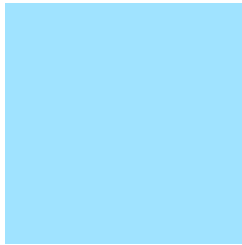


1.2708, 0.3998, 0.1976



# Previews

## White Background



This preview shows how the Yxy color 69.6318, 0.2559, 0.2969 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

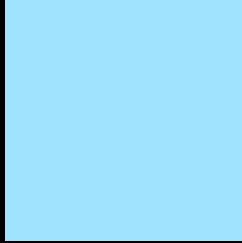
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.6318, 0.2559, 0.2969 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

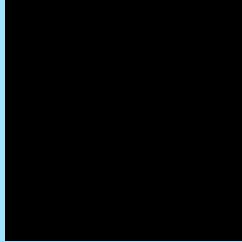
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.6318, 0.2559, 0.2969**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.6318, 0.2559, 0.2969.

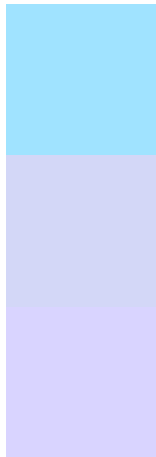


This preview shows how white text looks on a background with the Yxy color 69.6318, 0.2559, 0.2969.

# 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

69.6318, 0.2559, 0.2969

### Protanopia

69.1652, 0.2893, 0.2945

### Deuteranopia

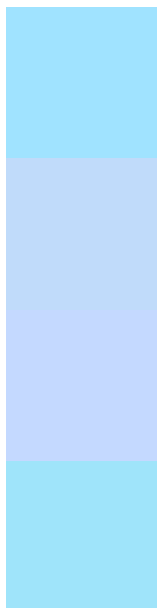
69.0587, 0.2883, 0.2836



## Tritanopia

69.4713, 0.2590, 0.3068

# Trichromacy



## Original Color

69.6318, 0.2559, 0.2969

## Protanomaly

68.7716, 0.2756, 0.2946

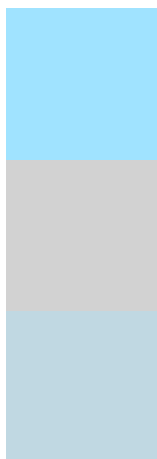
## Deuteranomaly

68.5815, 0.2751, 0.2874

## Tritanomaly

69.7599, 0.2580, 0.3035

# Monochromacy



## Original Color

69.6318, 0.2559, 0.2969

## Achromatopsia

64.4480, 0.3127, 0.3290

## Achromatomaly

65.8092, 0.2895, 0.3174

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.6318, 0.2559, 0.2969 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(160, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(160, 227, 255)  
}
```

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(160, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 227, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 69.6318, 0.2559, 0.2969 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(160, 227, 255) }
```

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

```
.border{ border-color:rgb(160, 227, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(160, 227, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(160, 227, 255); box-shadow:4px 4px 4px 4px rgb(160, 227, 255) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.6318, 0.2559, 0.2969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 227, 255) }
```

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

```
.background{ background-color: rgb(160,  
227, 255) }
```

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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