

# Converting Colors

$Yxy(69.3066, 0.2565, 0.3018)$

Have a look what the booklet for  
Yxy(69.3066, 0.2565, 0.3018)  
contains.

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# Color

**Yxy(69.0713, 0.2563, 0.3012)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9DE3FB
RGB	157, 227, 251
RGB Percent	62%, 89%, 98%
CMY	0.3845, 0.1097, 0.0158
CMYK	0.37, 0.10, 0.00, 0.02
HSL	195°, 92%, 80%
HSV	195°, 37%, 98%
XYZ	58.7748, 69.0713, 101.4743
YIQ	208.8060, -49.4240, -7.3760

# Conversions

## Conversions Part 2

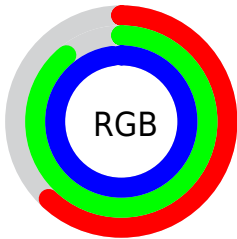
<b>Format</b>	<b>Color</b>
<b>RYB</b>	157, 197, 251
Decimal	10347515
CIELab	86.54, -16.00, -18.56
CIELCh	87, 24.509, 229.241
Yxy	69.0713, 0.2563, 0.3012
Android (android.graphics.Color)	4288537595 (0xFF9DE3FB)
YUV	208.8060, 20.8016, -45.4339
Hunter-Lab	83.1091, -19.2057, -14.2153

# Details

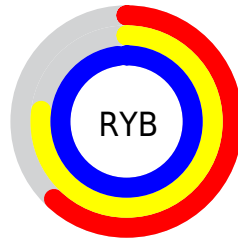
The Yxy color **69.0713, 0.2563, 0.3012** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.9453, 0.3954, 0.3548**, and the grayscale version is **63.5079, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0361, 0.2883, 0.3289**, and **36.1668, 0.2438, 0.2953** is the 20% darker color. If you saturate the color by 10%, you get **63.3712, 0.2430, 0.2924**, and if you desaturate by 10%, it is **75.4250, 0.2707, 0.3095**.

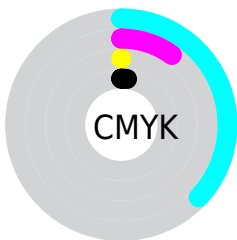
# Distribution



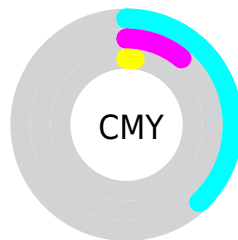
- Red (62%)
- Green (89%)
- Blue (98%)



- Red (62%)
- Yellow (77%)
- Blue (98%)



- Cyan (37%)
- Magenta (10%)
- Yellow (0%)
- Black (2%)




- Cyan (38%)
- Magenta (11%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.0713, 0.2563, 0.3012 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 69.0713, 0.2563, 0.3012 by changing the saturation by 10% instead.




 69.0713, 0.2563,  
0.3012


 69.0713, 0.2563,  
0.3012

457.2824, 0.2821,  
0.3146

 50.7698, 0.2505,  
0.2980


 117.8834, 0.2652,  
0.3060

 36.0254, 0.2434,  
0.2940


 149.1628, 0.2686,  
0.3078

 24.4538, 0.2346,  
0.2889


185.5369, 0.2716,  
0.3093

 15.6706, 0.2232,  
0.2821

227.3902, 0.2742,  
0.3107

 9.2914, 0.2080,  
0.2726

275.1069, 0.2766,  
0.3118

 4.9317, 0.1870,  
0.2587

329.0716, 0.2786,

 2.2073, 0.1563,

0.3129

389.6687, 0.2804,  
0.3138

0.2365

0.7239, 0.0827,  
0.2012

0.0000, 0.0000,  
0.0000

69.0713, 0.2563,  
0.3012

69.0713, 0.2563,  
0.3012

63.3712, 0.2430,  
0.2924

75.4250, 0.2707,  
0.3095

58.2834, 0.2310,  
0.2832

82.4549, 0.2857,  
0.3172

53.7735, 0.2208,  
0.2737

90.1921, 0.3011,  
0.3242

49.7999, 0.2124,  
0.2640

98.2165, 0.3152,  
0.3306

■ 46.3135, 0.2061,  
0.2544

■ 99.7431, 0.3150,  
0.3328

■ 43.2509, 0.2017,  
0.2449

■ 42.5169, 0.2007,  
0.2425

# Harmonies

## Analogous

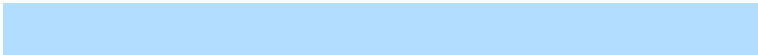
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.0713, 0.2649, 0.3275



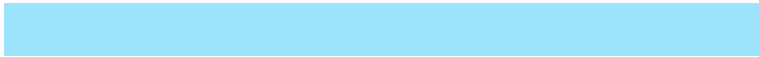
69.0713, 0.2563, 0.3012



69.0713, 0.2618, 0.2842

# Triad

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



69.0713, 0.2563, 0.3012



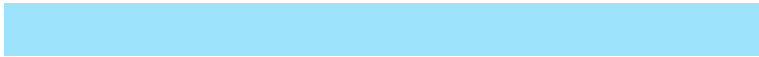
69.0713, 0.3387, 0.3040



69.0713, 0.3440, 0.3825

# Complementary

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



69.0713, 0.2563, 0.3012



55.9453, 0.3954, 0.3548

# 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.



69.0713, 0.3655, 0.3728



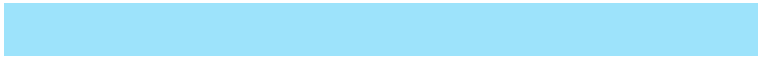
69.0713, 0.2563, 0.3012



69.0713, 0.3627, 0.3274

# Square

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



69.0713, 0.2563, 0.3012



69.0713, 0.3084, 0.2867



69.0713, 0.3726, 0.3524



69.0713, 0.3148, 0.3767



# Rectangle

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



69.0713, 0.2563, 0.3012



69.0713, 0.2730, 0.2797



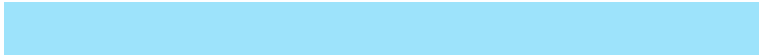
69.0713, 0.3726, 0.3524



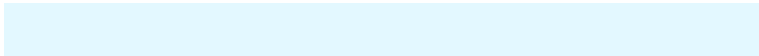
69.0713, 0.3524, 0.3809

# Sweetspot

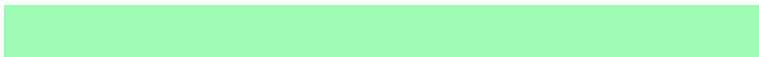
The Sweet Spot groups the original color and five complimentary colors.



69.0740, 0.2563, 0.3012



90.5877, 0.2957, 0.3218



79.4523, 0.2953, 0.4140



19.1548, 0.2936, 0.3208



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

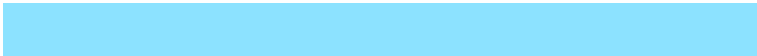


# Same Dimension

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



69.0740, 0.2563, 0.3012



67.0826, 0.2461, 0.2946



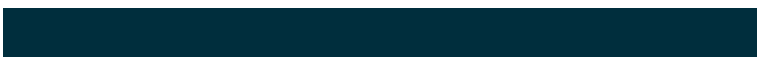
46.9538, 0.2479, 0.2440



18.8159, 0.2980, 0.3228



22.6008, 0.2012, 0.2441



2.2626, 0.2043, 0.2555



# Inverse Universe

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



50.1485, 0.3373, 0.2575



45.5675, 0.3439, 0.2435



78.1291, 0.3773, 0.4013



17.4446, 0.3177, 0.3115



12.6925, 0.3981, 0.1967

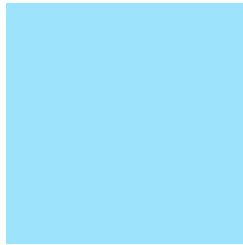


1.1926, 0.3868, 0.1905



# Previews

## White Background



This preview shows how the Yxy color 69.0713, 0.2563, 0.3012 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

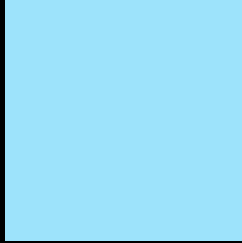
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.0713, 0.2563, 0.3012 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 69.0713, 0.2563, 0.3012**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.0713, 0.2563, 0.3012.

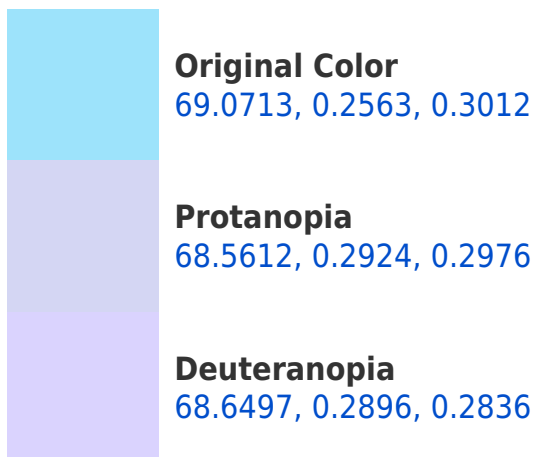


This preview shows how white text looks on a background with the Yxy color 69.0713, 0.2563, 0.3012.

# 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

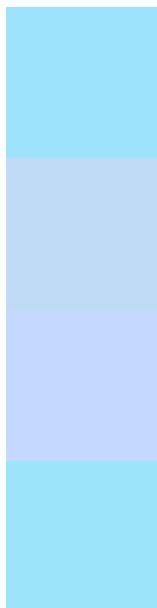




## Tritanopia

69.2085, 0.2584, 0.3079

# Trichromacy



## Original Color

69.0713, 0.2563, 0.3012

## Protanomaly

68.5233, 0.2778, 0.2989

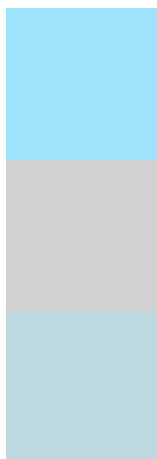
## Deuteranomaly

68.4533, 0.2762, 0.2895

## Tritanomaly

69.3320, 0.2574, 0.3056

# Monochromacy



## Original Color

69.0713, 0.2563, 0.3012

## Achromatopsia

63.7597, 0.3127, 0.3290

## Achromatomaly

65.4407, 0.2894, 0.3197

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.0713, 0.2563, 0.3012 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(157, 227, 251)` looks like.

```
.text, #text, p{  
    color:rgb(157, 227, 251)  
}
```

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(157, 227, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 227, 251) }
```

## Border

The CSS property to change the border of an element to Yxy 69.0713, 0.2563, 0.3012 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(157, 227, 251) }
```

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

```
.border{ border-color:rgb(157, 227, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 227, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 227, 251); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 227, 251); box-shadow:4px 4px 4px 4px rgb(157, 227, 251) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.0713, 0.2563, 0.3012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 227, 251) }
```

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

```
.background{ background-color: rgb(157,  
227, 251) }
```

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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