

# Converting Colors

$Yxy(69.7367, 0.2643, 0.3050)$

Have a look what the booklet for  
Yxy(69.7367, 0.2643, 0.3050)  
contains.

<b>Yxy(69.5431, 0.2645, 0.3048)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(69.5431, 0.2645, 0.3048)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A9E2F7
RGB	169, 226, 247
RGB Percent	66%, 89%, 97%
CMY	0.3373, 0.1137, 0.0312
CMYK	0.32, 0.09, 0.00, 0.03
HSL	196°, 83%, 82%
HSV	196°, 32%, 97%
XYZ	60.3483, 69.5431, 98.2684
YIQ	211.3510, -40.7130, -5.5530

# Conversions

## Conversions Part 2

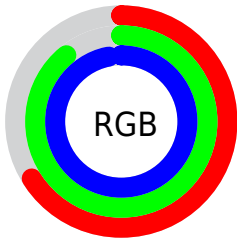
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	169, 202, 247
Decimal	11133687
CIE Lab	86.77, -13.24, -16.08
CIE LCh	87, 20.831, 230.544
Yxy	69.5431, 0.2645, 0.3048
Android (android.graphics.Color)	4289323767 (0xFFA9E2F7)
YUV	211.3510, 17.5750, -37.1418
Hunter-Lab	83.3925, -16.7626, -11.4916

# Details

The Yxy color **69.5431, 0.2645, 0.3048** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **59.4794, 0.3782, 0.3518**, and the grayscale version is **65.2876, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9088, 0.2952, 0.3289**, and **36.4648, 0.2532, 0.2987** is the 20% darker color. If you saturate the color by 10%, you get **63.5165, 0.2504, 0.2958**, and if you desaturate by 10%, it is **76.2319, 0.2794, 0.3132**.

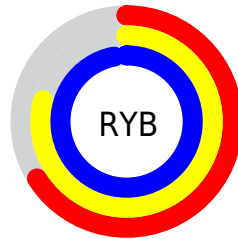
# Distribution



Red (66%)

Green (89%)

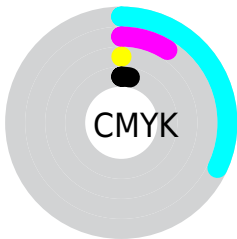
Blue (97%)



Red (66%)

Yellow (79%)

Blue (97%)

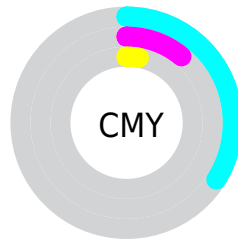


Cyan (32%)

Magenta (9%)

Yellow (0%)

Black (3%)



Cyan (34%)

Magenta (11%)

Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.5431, 0.2645, 0.3048 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 69.5431, 0.2645, 0.3048 by changing the saturation by 10% instead.



69.5431, 0.2645,  
0.3048

69.5431, 0.2645,  
0.3048

458.9441, 0.2866,  
0.3164

51.1541, 0.2595,  
0.3021

118.5570, 0.2721,  
0.3089

36.3313, 0.2534,  
0.2986

149.9506, 0.2751,  
0.3105

24.6902, 0.2457,  
0.2942

186.4480, 0.2777,  
0.3118

15.8464, 0.2358,  
0.2884

228.4335, 0.2799,  
0.3130

9.4155, 0.2225,  
0.2802

276.2914, 0.2819,  
0.3140

5.0132, 0.2039,  
0.2682

330.4062, 0.2836,

2.2550, 0.1762,

0.3149

0.2490

391.1623, 0.2852,  
0.3157

0.7497, 0.1130,  
0.2175

0.0000, 0.0000,  
0.0000

69.5431, 0.2645,  
0.3048

69.5431, 0.2645,  
0.3048

63.5165, 0.2504,  
0.2958

76.2319, 0.2794,  
0.3132

58.1131, 0.2374,  
0.2863

83.6031, 0.2948,  
0.3209

53.3021, 0.2259,  
0.2763

91.6860, 0.3102,  
0.3279

49.0459, 0.2162,  
0.2661

97.9968, 0.3175,  
0.3344

■ 45.3017, 0.2085,  
0.2559

■ 99.4978, 0.3173,  
0.3366

■ 42.0182, 0.2028,  
0.2457

■ 39.5492, 0.1993,  
0.2373

# Harmonies

## Analogous

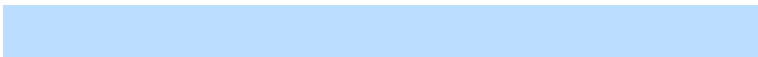
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.5431, 0.2714, 0.3268



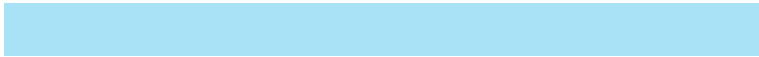
69.5431, 0.2645, 0.3048



69.5431, 0.2698, 0.2905

# Triad

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



69.5431, 0.2645, 0.3048



69.5431, 0.3359, 0.3084



69.5431, 0.3384, 0.3743

# Complementary

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



69.5431, 0.2645, 0.3048



59.4794, 0.3782, 0.3518

# 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.



69.5431, 0.3570, 0.3670



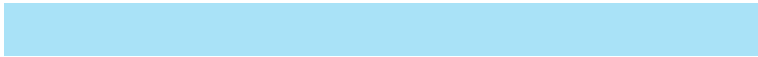
69.5431, 0.2645, 0.3048



69.5431, 0.3557, 0.3288

# Square

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



69.5431, 0.2645, 0.3048



69.5431, 0.3103, 0.2933



69.5431, 0.3634, 0.3501



69.5431, 0.3135, 0.3686



# Rectangle

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



69.5431, 0.2645, 0.3048



69.5431, 0.2797, 0.2868



69.5431, 0.3634, 0.3501



69.5431, 0.3457, 0.3732

# Sweetspot

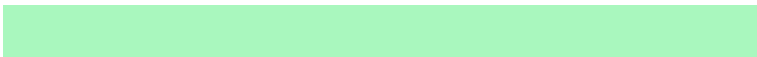
The Sweet Spot groups the original color and five complimentary colors.



69.5459, 0.2645, 0.3048



92.0215, 0.2988, 0.3228



78.6872, 0.2971, 0.3969



19.4330, 0.2965, 0.3218



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

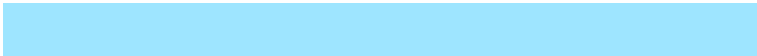


# Same Dimension

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



69.5459, 0.2645, 0.3048



70.4756, 0.2553, 0.2990



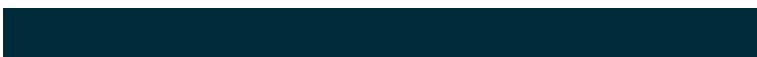
50.7745, 0.2589, 0.2579



17.9582, 0.2980, 0.3225



21.1560, 0.1997, 0.2390



2.0287, 0.2032, 0.2516



# Inverse Universe

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



53.6418, 0.3335, 0.2699



51.3987, 0.3390, 0.2577



78.5873, 0.3658, 0.3912



16.6876, 0.3179, 0.3119



12.2351, 0.4033, 0.1996

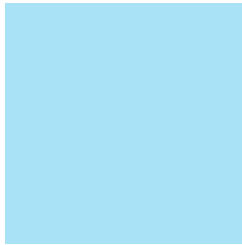


1.0924, 0.3906, 0.1926



# Previews

## White Background



This preview shows how the Yxy color 69.5431, 0.2645, 0.3048 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

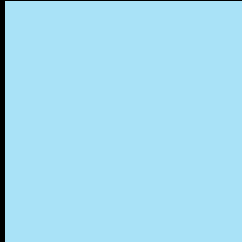
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.5431, 0.2645, 0.3048 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 69.5431, 0.2645, 0.3048**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.5431, 0.2645, 0.3048.

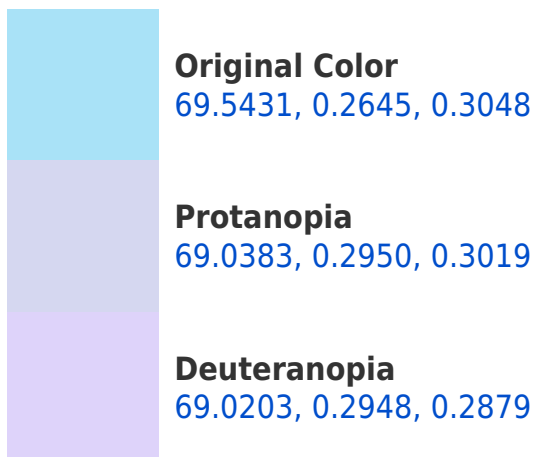


This preview shows how white text looks on a background with the Yxy color 69.5431, 0.2645, 0.3048.

# 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

69.3101, 0.2650, 0.3070

# Trichromacy



**Original Color**

69.5431, 0.2645, 0.3048

**Protanomaly**

69.0044, 0.2827, 0.3023

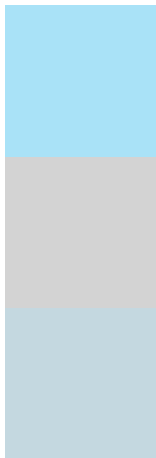
**Deuteranomaly**

68.6478, 0.2829, 0.2930

**Tritanomaly**

69.3714, 0.2645, 0.3059

# Monochromacy



**Original Color**

69.5431, 0.2645, 0.3048

**Achromatopsia**

65.1406, 0.3127, 0.3290

**Achromatomaly**

66.2293, 0.2935, 0.3198

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.5431, 0.2645, 0.3048 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, 247)` looks like.

```
.text, #text, p{  
    color:rgb(169, 226, 247)  
}
```

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, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 226, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 69.5431, 0.2645, 0.3048 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, 247) }
```

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

```
.border{ border-color:rgb(169, 226, 247) }
```

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, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(169, 226, 247); -webkit-box-shadow:4px 4px 4px 4px rgb(169, 226, 247); box-shadow:4px 4px 4px 4px rgb(169, 226, 247) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.5431, 0.2645, 0.3048 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, 247) }
```

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

```
.background{ background-color: rgb(169,  
226, 247) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor