

# Converting Colors

$Yxy(68.5567, 0.2629, 0.3011)$

Have a look what the booklet for  
Yxy(68.5567, 0.2629, 0.3011)  
contains.

<b>Yxy(68.4135, 0.2632, 0.3013)</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(68.4135, 0.2632, 0.3013)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A8E0F8
RGB	168, 224, 248
RGB Percent	66%, 88%, 97%
CMY	0.3409, 0.1216, 0.0273
CMYK	0.32, 0.10, 0.00, 0.03
HSL	198°, 85%, 82%
HSV	198°, 32%, 97%
XYZ	59.7625, 68.4135, 98.8851
YIQ	209.9920, -41.0800, -4.4080

# Conversions

## Conversions Part 2

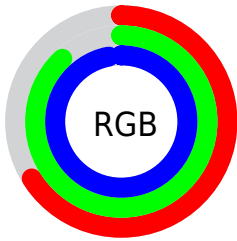
Format	Color
R <sub>Y</sub> B	168, 201, 248
Decimal	11067640
CIE Lab	86.21, -12.22, -17.45
CIE LCh	86, 21.306, 234.998
Yxy	68.4135, 0.2632, 0.3013
Android (android.graphics.Color)	4289257720 (0xFFA8E0F8)
YUV	209.9920, 18.7379, -36.8270
Hunter-Lab	82.7125, -15.7747, -12.9842

# Details

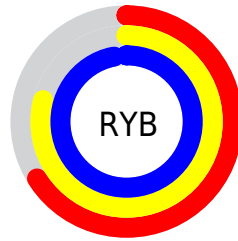
The Yxy color **68.4135, 0.2632, 0.3013** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **60.5440, 0.3791, 0.3549**, and the grayscale version is **64.3500, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7476, 0.2946, 0.3289**, and **35.6924, 0.2514, 0.2941** is the 20% darker color. If you saturate the color by 10%, you get **62.0256, 0.2488, 0.2911**, and if you desaturate by 10%, it is **75.5020, 0.2783, 0.3108**.

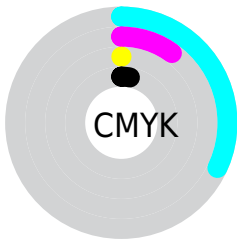
# Distribution



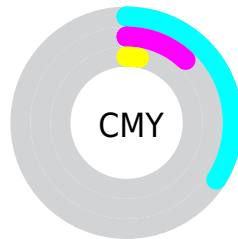
- Red (66%)
- Green (88%)
- Blue (97%)



- Red (66%)
- Yellow (79%)
- Blue (97%)



- Cyan (32%)
- Magenta (10%)
- Yellow (0%)
- Black (3%)




- Cyan (34%)
- Magenta (12%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.4135, 0.2632, 0.3013 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 68.4135, 0.2632, 0.3013 by changing the saturation by 10% instead.




 68.4135, 0.2632,  
0.3013

 68.4135, 0.2632,  
0.3013


454.9597, 0.2859,  
0.3146

 50.2342, 0.2581,  
0.2982


 116.9435, 0.2710,  
0.3060

 35.5995, 0.2518,  
0.2943


148.0630, 0.2741,  
0.3078

 24.1251, 0.2438,  
0.2893


184.2647, 0.2768,  
0.3093

 15.4264, 0.2336,  
0.2827

225.9329, 0.2791,  
0.3106

 9.1192, 0.2198,  
0.2735

273.4522, 0.2811,  
0.3118

 4.8190, 0.2006,  
0.2600

327.2068, 0.2829,

 2.1415, 0.1720,

0.3128

0.2385

387.5811, 0.2845,  
0.3137

0.6878, 0.1045,  
0.2022

0.0000, 0.0000,  
0.0000

68.4135, 0.2632,  
0.3013

68.4135, 0.2632,  
0.3013

62.0256, 0.2488,  
0.2911

75.5020, 0.2783,  
0.3108

56.2983, 0.2356,  
0.2804

83.3123, 0.2937,  
0.3195

51.1994, 0.2237,  
0.2691

91.8747, 0.3093,  
0.3273

46.6902, 0.2137,  
0.2577

98.8093, 0.3168,  
0.3345

■ 42.7261, 0.2056,  
0.2461

■ 99.5591, 0.3167,  
0.3357

■ 39.2540, 0.1996,  
0.2346

■ 36.8360, 0.1961,  
0.2259

# Harmonies

## Analogous

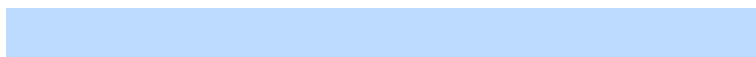
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.4135, 0.2684, 0.3231



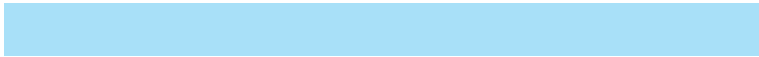
68.4135, 0.2632, 0.3013



68.4135, 0.2705, 0.2882

# Triad

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



68.4135, 0.2632, 0.3013



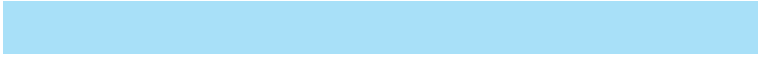
68.4135, 0.3401, 0.3107



68.4135, 0.3356, 0.3756

# Complementary

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



68.4135, 0.2632, 0.3013



60.5440, 0.3791, 0.3549

# 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.



68.4135, 0.3560, 0.3699



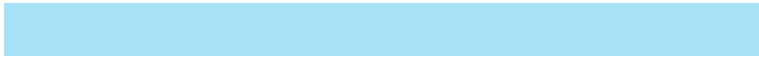
68.4135, 0.2632, 0.3013



68.4135, 0.3590, 0.3321

# Square

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



68.4135, 0.2632, 0.3013



68.4135, 0.3142, 0.2942



68.4135, 0.3648, 0.3536

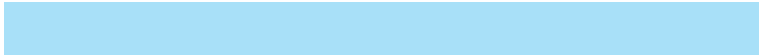


68.4135, 0.3096, 0.3677



# Rectangle

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



68.4135, 0.2632, 0.3013



68.4135, 0.2816, 0.2855



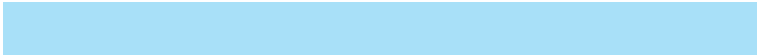
68.4135, 0.3648, 0.3536



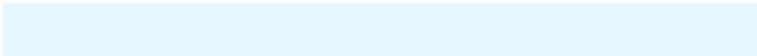
68.4135, 0.3434, 0.3752

# Sweetspot

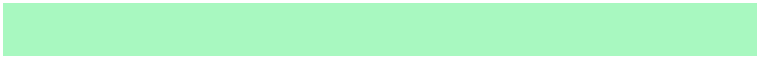
The Sweet Spot groups the original color and five complimentary colors.



68.4162, 0.2632, 0.3013



90.6849, 0.2972, 0.3213



79.2948, 0.2954, 0.3952



19.1441, 0.2950, 0.3201



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

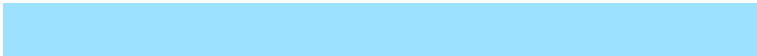


# Same Dimension

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



68.4162, 0.2632, 0.3013



68.1440, 0.2533, 0.2944



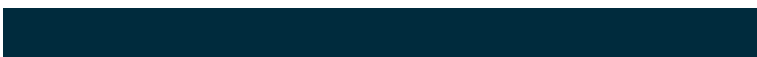
49.4214, 0.2572, 0.2529



18.6756, 0.2980, 0.3217



20.1511, 0.1966, 0.2277



2.0520, 0.2004, 0.2413



# Inverse Universe

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



53.3766, 0.3362, 0.2711



50.3275, 0.3427, 0.2588



80.5271, 0.3662, 0.3950



17.4304, 0.3184, 0.3126



12.4452, 0.4150, 0.2060

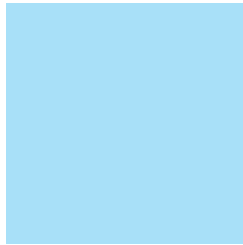


1.1714, 0.4010, 0.1983



# Previews

## White Background



This preview shows how the Yxy color 68.4135, 0.2632, 0.3013 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

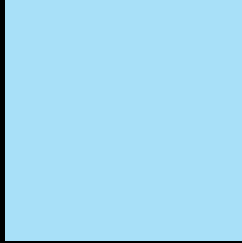
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.4135, 0.2632, 0.3013 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 68.4135, 0.2632, 0.3013**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.4135, 0.2632, 0.3013.

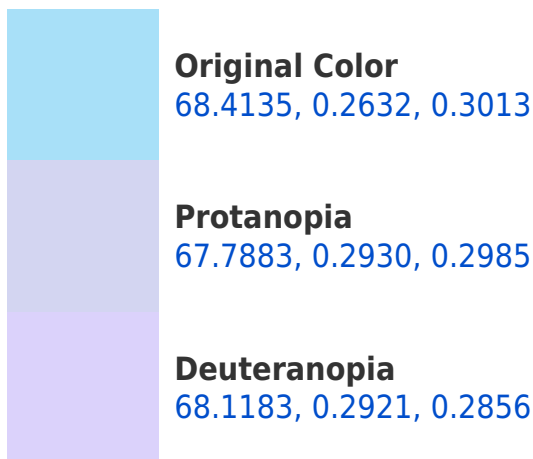


This preview shows how white text looks on a background with the Yxy color 68.4135, 0.2632, 0.3013.

# 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

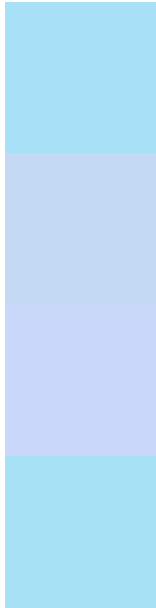




## Tritanopia

68.5370, 0.2654, 0.3080

# Trichromacy



**Original Color**

68.4135, 0.2632, 0.3013

**Protanomaly**

67.7595, 0.2807, 0.2989

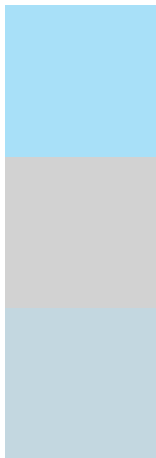
**Deuteranomaly**

67.7824, 0.2803, 0.2906

**Tritanomaly**

68.6585, 0.2643, 0.3058

# Monochromacy



**Original Color**

68.4135, 0.2632, 0.3013

**Achromatopsia**

64.4480, 0.3127, 0.3290

**Achromatomaly**

65.5848, 0.2927, 0.3186

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.4135, 0.2632, 0.3013 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(168, 224, 248)` looks like.

```
.text, #text, p{  
    color:rgb(168, 224, 248)  
}
```

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(168, 224, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 224, 248) }
```

## Border

The CSS property to change the border of an element to Yxy 68.4135, 0.2632, 0.3013 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(168, 224, 248) }
```

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

```
.border{ border-color:rgb(168, 224, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 224, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 224, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 224, 248);  
box-shadow:4px 4px 4px 4px rgb(168, 224,  
248) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.4135, 0.2632, 0.3013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 224, 248) }
```

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

```
.background{ background-color: rgb(168,  
224, 248) }
```

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