

# Converting Colors

$Yxy(68.6497, 0.2614, 0.3028)$

Have a look what the booklet for  
Yxy(68.6497, 0.2614, 0.3028)  
contains.

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# **Color**

**Yxy(68.5203, 0.2611, 0.3024)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A4E1F8
RGB	164, 225, 248
RGB Percent	64%, 88%, 97%
CMY	0.3572, 0.1176, 0.0275
CMYK	0.34, 0.09, 0.00, 0.03
HSL	196°, 86%, 81%
HSV	196°, 34%, 97%
XYZ	59.1622, 68.5203, 98.9058
YIQ	209.3830, -43.7390, -5.7790

# Conversions

## Conversions Part 2

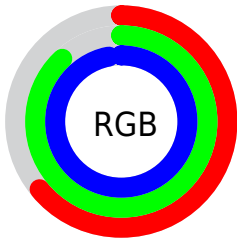
Format	Color
<a href="#">RYB</a>	164, 199, 248
Decimal	10805752
CIELab	86.27, -13.89, -17.37
CIELCh	86, 22.243, 231.360
Yxy	68.5203, 0.2611, 0.3024
Android (android.graphics.Color)	4288995832 (0xFFA4E1F8)
YUV	209.3830, 19.0382, -39.8009
Hunter-Lab	82.7770, -17.2826, -12.8986

# Details

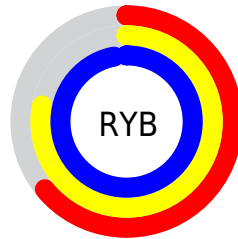
The Yxy color **68.5203, 0.2611, 0.3024** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **58.1186, 0.3845, 0.3539**, and the grayscale version is **63.9076, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **35.8064, 0.2492, 0.2955** is the 20% darker color. If you saturate the color by 10%, you get **62.5481, 0.2472, 0.2931**, and if you desaturate by 10%, it is **75.1575, 0.2759, 0.3111**.

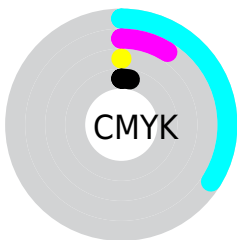
# Distribution



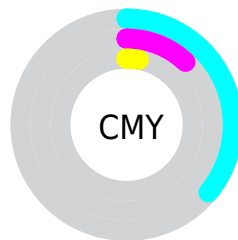
- Red (64%)
- Green (88%)
- Blue (97%)



- Red (64%)
- Yellow (78%)
- Blue (97%)



- Cyan (34%)
- Magenta (9%)
- Yellow (0%)
- Black (3%)




- Cyan (36%)
- Magenta (12%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.5203, 0.2611, 0.3024 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 68.5203, 0.2611, 0.3024 by changing the saturation by 10% instead.





 68.5203, 0.2611,  
0.3024


 68.5203, 0.2611,  
0.3024


455.3373, 0.2848,  
0.3152

 50.3211, 0.2558,  
0.2994


 117.0962, 0.2693,  
0.3069

 35.6686, 0.2492,  
0.2956


 148.2416, 0.2724,  
0.3087

 24.1784, 0.2410,  
0.2907


184.4714, 0.2752,  
0.3101

 15.4660, 0.2304,  
0.2842

226.1697, 0.2776,  
0.3114

 9.1471, 0.2161,  
0.2752

273.7211, 0.2797,  
0.3125

 4.8372, 0.1963,  
0.2620

327.5099, 0.2816,

 2.1521, 0.1669,

0.3135

0.2407

387.9205, 0.2833,  
0.3144

0.6937, 0.0949,  
0.2056

0.0000, 0.0000,  
0.0000

68.5203, 0.2611,  
0.3024

68.5203, 0.2611,  
0.3024

62.5481, 0.2472,  
0.2931

75.1575, 0.2759,  
0.3111

57.2010, 0.2345,  
0.2833

82.4809, 0.2912,  
0.3191

52.4470, 0.2233,  
0.2732

90.5203, 0.3067,  
0.3264

48.2471, 0.2140,  
0.2628

97.7320, 0.3169,  
0.3330

■ 44.5562, 0.2067,  
0.2524

■ 99.5567, 0.3168,  
0.3357

■ 41.3197, 0.2014,  
0.2421

■ 39.5226, 0.1989,  
0.2359

# Harmonies

## Analogous

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



68.5203, 0.2681, 0.3259



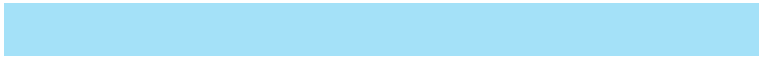
68.5203, 0.2611, 0.3024



68.5203, 0.2671, 0.2875

# Triad

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



68.5203, 0.2611, 0.3024



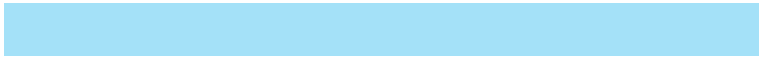
68.5203, 0.3382, 0.3075



68.5203, 0.3396, 0.3777

# Complementary

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



68.5203, 0.2611, 0.3024



58.1186, 0.3845, 0.3539

# 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.



68.5203, 0.3598, 0.3700



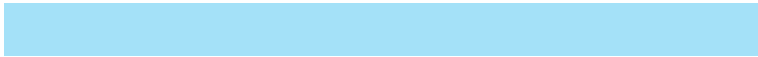
68.5203, 0.2611, 0.3024



68.5203, 0.3593, 0.3293

# Square

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



68.5203, 0.2611, 0.3024



68.5203, 0.3108, 0.2912



68.5203, 0.3672, 0.3520



68.5203, 0.3127, 0.3712



# Rectangle

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



68.5203, 0.2611, 0.3024



68.5203, 0.2778, 0.2838



68.5203, 0.3672, 0.3520



68.5203, 0.3474, 0.3766

# Sweetspot

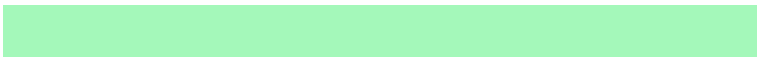
The Sweet Spot groups the original color and five complimentary colors.



68.5230, 0.2611, 0.3024



91.1167, 0.2972, 0.3220



78.5709, 0.2960, 0.4028



19.2490, 0.2950, 0.3209



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

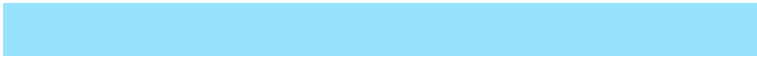


# Same Dimension

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



68.5230, 0.2611, 0.3024



68.3811, 0.2510, 0.2958



48.7439, 0.2545, 0.2517



18.7597, 0.2980, 0.3224



21.5978, 0.1993, 0.2376



2.1767, 0.2027, 0.2498



# Inverse Universe

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



51.9100, 0.3357, 0.2658



48.7320, 0.3421, 0.2526



78.3230, 0.3701, 0.3958



17.4389, 0.3180, 0.3119



12.5912, 0.4048, 0.2003

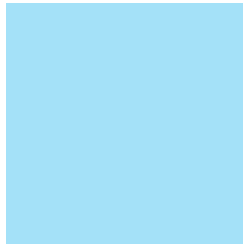


1.1840, 0.3924, 0.1935



# Previews

## White Background



This preview shows how the Yxy color 68.5203, 0.2611, 0.3024 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

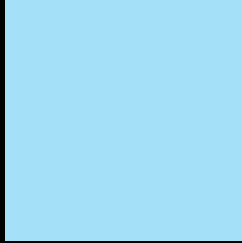
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.5203, 0.2611, 0.3024 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 68.5203, 0.2611, 0.3024**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.5203, 0.2611, 0.3024.

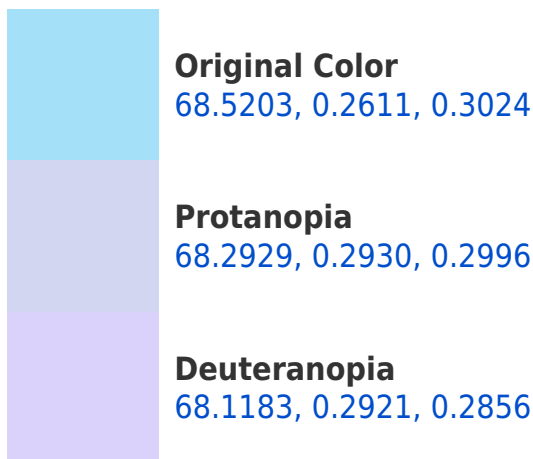


This preview shows how white text looks on a background with the Yxy color 68.5203, 0.2611, 0.3024.

# 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

68.7109, 0.2628, 0.3080

# Trichromacy



**Original Color**

68.5203, 0.2611, 0.3024

**Protanomaly**

68.1438, 0.2802, 0.3000

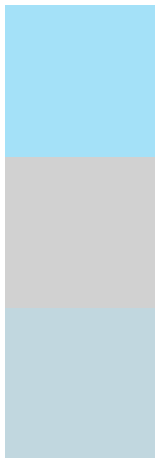
**Deuteranomaly**

67.6451, 0.2797, 0.2905

**Tritanomaly**

68.7718, 0.2623, 0.3069

# Monochromacy



**Original Color**

68.5203, 0.2611, 0.3024

**Achromatopsia**

63.7597, 0.3127, 0.3290

**Achromatomaly**

65.2660, 0.2920, 0.3197

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.5203, 0.2611, 0.3024 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(164, 225, 248)` looks like.

```
.text, #text, p{  
    color:rgb(164, 225, 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(164, 225, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 225, 248) }
```

## Border

The CSS property to change the border of an element to Yxy 68.5203, 0.2611, 0.3024 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(164, 225, 248) }
```

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

```
.border{ border-color:rgb(164, 225, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 225, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 225, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 225, 248);  
box-shadow:4px 4px 4px 4px rgb(164, 225,  
248) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.5203, 0.2611, 0.3024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 225, 248) }
```

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

```
.background{ background-color: rgb(164,  
225, 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](#).

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