

# Converting Colors

$Yxy(68.7699, 0.2678, 0.3065)$

Have a look what the booklet for  
Yxy(68.7699, 0.2678, 0.3065)  
contains.

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# Color

**Yxy(68.6136, 0.2675, 0.3059)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ACE0F4
RGB	172, 224, 244
RGB Percent	67%, 88%, 96%
CMY	0.3255, 0.1216, 0.0430
CMYK	0.30, 0.08, 0.00, 0.04
HSL	197°, 77%, 82%
HSV	197°, 30%, 96%
XYZ	60.0005, 68.6136, 95.6867
YIQ	210.7320, -37.4120, -4.8040

# Conversions

## Conversions Part 2

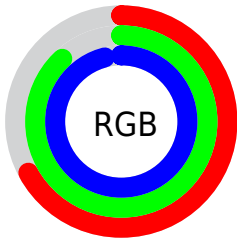
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	172, 202, 244
Decimal	11329780
CIE <sub>Lab</sub>	86.31, -12.08, -15.17
CIE <sub>LCh</sub>	86, 19.393, 231.462
Yxy	68.6136, 0.2675, 0.3059
Android (android.graphics.Color)	4289519860 (0xFFACE0F4)
YUV	210.7320, 16.4011, -33.9680
Hunter-Lab	82.8333, -15.6616, -10.5068

# Details

The Yxy color **68.6136, 0.2675, 0.3059** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **59.9253, 0.3725, 0.3509**, and the grayscale version is **64.8660, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3980, 0.2970, 0.3290**, and **35.8583, 0.2573, 0.3001** is the 20% darker color. If you saturate the color by 10%, you get **62.5301, 0.2531, 0.2967**, and if you desaturate by 10%, it is **75.3550, 0.2826, 0.3144**.

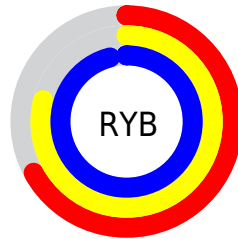
# Distribution



Red (67%)

Green (88%)

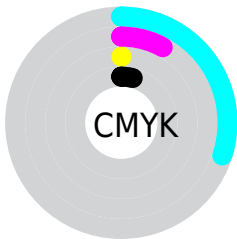
Blue (96%)



Red (67%)

Yellow (79%)

Blue (96%)

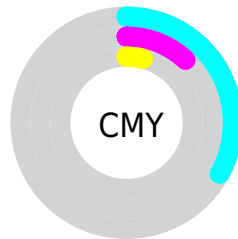


Cyan (30%)

Magenta (8%)

Yellow (0%)

Black (4%)



Cyan (33%)

Magenta (12%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.6136, 0.2675, 0.3059 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 68.6136, 0.2675, 0.3059 by changing the saturation by 10% instead.



■ 68.6136, 0.2675,  
0.3059

■ 68.6136, 0.2675,  
0.3059

455.6670, 0.2883,  
0.3170

■ 50.3971, 0.2628,  
0.3033

■ 117.2295, 0.2747,  
0.3098

■ 35.7290, 0.2570,  
0.3000

148.3977, 0.2775,  
0.3113

■ 24.2250, 0.2497,  
0.2958

184.6519, 0.2799,  
0.3126

■ 15.5006, 0.2402,  
0.2902

226.3765, 0.2820,  
0.3137

■ 9.1715, 0.2275,  
0.2824

273.9559, 0.2839,  
0.3147

■ 4.8532, 0.2095,  
0.2708

327.7746, 0.2855,

■ 2.1614, 0.1825,

0.3155

0.2521

388.2168, 0.2870,  
0.3163

0.6988, 0.1165,  
0.2206

0.0000, 0.0000,  
0.0000

68.6136, 0.2675,  
0.3059

68.6136, 0.2675,  
0.3059

62.5301, 0.2531,  
0.2967

75.3550, 0.2826,  
0.3144

57.0668, 0.2398,  
0.2870

82.7734, 0.2980,  
0.3222

52.1943, 0.2278,  
0.2768

90.8970, 0.3135,  
0.3293

47.8770, 0.2176,  
0.2663

96.8727, 0.3194,  
0.3359

■ 44.0743, 0.2093,  
0.2557

■ 99.3131, 0.3191,  
0.3395

■ 40.7383, 0.2031,  
0.2452

■ 37.7945, 0.1986,  
0.2348

■ 37.6572, 0.1984,  
0.2343

# Harmonies

## Analogous

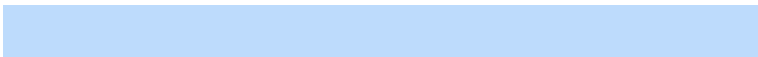
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.6136, 0.2737, 0.3264



68.6136, 0.2675, 0.3059



68.6136, 0.2728, 0.2927

# Triad

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



68.6136, 0.2675, 0.3059



68.6136, 0.3351, 0.3103



68.6136, 0.3362, 0.3713

# Complementary

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



68.6136, 0.2675, 0.3059



59.9253, 0.3725, 0.3509

# 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.



68.6136, 0.3537, 0.3649



68.6136, 0.2675, 0.3059



68.6136, 0.3533, 0.3295

# Square

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



68.6136, 0.2675, 0.3059



68.6136, 0.3112, 0.2958



68.6136, 0.3601, 0.3494



68.6136, 0.3128, 0.3655



# Rectangle

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



68.6136, 0.2675, 0.3059



68.6136, 0.2823, 0.2894



68.6136, 0.3601, 0.3494



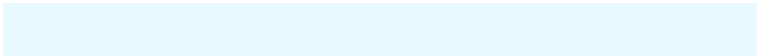
68.6136, 0.3430, 0.3705

# Sweetspot

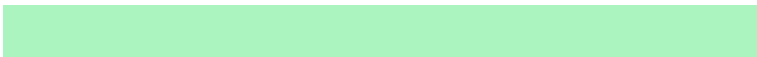
The Sweet Spot groups the original color and five complimentary colors.



68.6163, 0.2675, 0.3059



91.9009, 0.2987, 0.3226



77.2570, 0.2980, 0.3916



19.4032, 0.2965, 0.3215



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

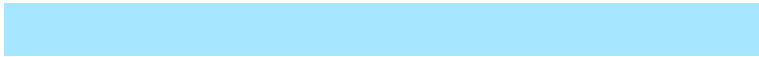


# Same Dimension

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



68.6163, 0.2675, 0.3059



71.9991, 0.2594, 0.3009



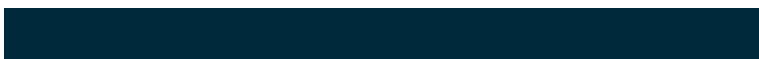
51.6161, 0.2628, 0.2634



17.9334, 0.2980, 0.3223



20.7131, 0.1989, 0.2359



1.9927, 0.2025, 0.2490



# Inverse Universe

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



54.1249, 0.3323, 0.2745



54.1654, 0.3371, 0.2641



77.2735, 0.3620, 0.3869



16.6851, 0.3181, 0.3121



12.1904, 0.4065, 0.2013

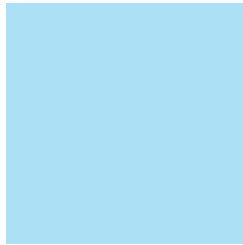


1.0888, 0.3932, 0.1940



# Previews

## White Background



This preview shows how the Yxy color 68.6136, 0.2675, 0.3059 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

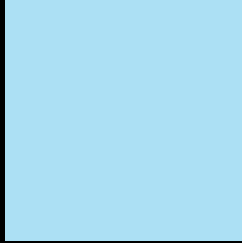
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.6136, 0.2675, 0.3059 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

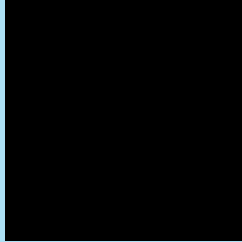
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 68.6136, 0.2675, 0.3059**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.6136, 0.2675, 0.3059.

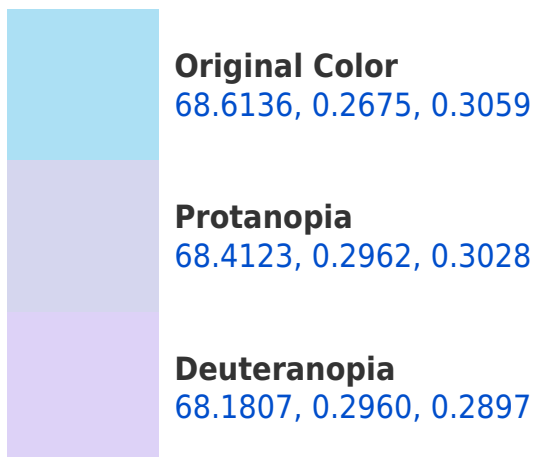


This preview shows how white text looks on a background with the Yxy color 68.6136, 0.2675, 0.3059.

# 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

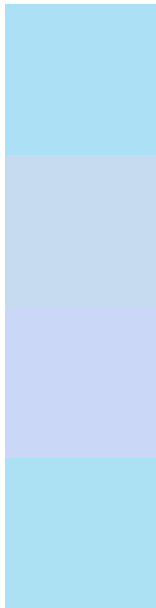




## Tritanopia

68.4928, 0.2686, 0.3082

# Trichromacy



**Original Color**

68.6136, 0.2675, 0.3059

**Protanomaly**

68.4398, 0.2851, 0.3044

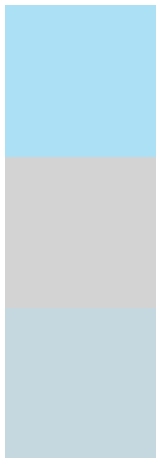
**Deuteranomaly**

67.9512, 0.2846, 0.2950

**Tritanomaly**

68.5530, 0.2680, 0.3070

# Monochromacy



**Original Color**

68.6136, 0.2675, 0.3059

**Achromatopsia**

65.1406, 0.3127, 0.3290

**Achromatomaly**

66.3098, 0.2948, 0.3209

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.6136, 0.2675, 0.3059 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(172, 224, 244)` looks like.

```
.text, #text, p{  
    color:rgb(172, 224, 244)  
}
```

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(172, 224, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 224, 244) }
```

## Border

The CSS property to change the border of an element to Yxy 68.6136, 0.2675, 0.3059 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(172, 224, 244) }
```

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

```
.border{ border-color:rgb(172, 224, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 224, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 224, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 224, 244);  
box-shadow:4px 4px 4px 4px rgb(172, 224,  
244) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.6136, 0.2675, 0.3059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 224, 244) }
```

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

```
.background{ background-color: rgb(172,  
224, 244) }
```

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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