

# Converting Colors

$Y_{xy}(68.5570, 0.2628, 0.3011)$

Have a look what the booklet for  
Yxy(68.5570, 0.2628, 0.3011)  
contains.

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# **Color**

**Yxy(68.4757, 0.2627, 0.3003)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A8E0F9
RGB	168, 224, 249
RGB Percent	66%, 88%, 98%
CMY	0.3411, 0.1216, 0.0237
CMYK	0.33, 0.10, 0.00, 0.02
HSL	199°, 87%, 82%
HSV	199°, 33%, 98%
XYZ	59.9020, 68.4757, 99.6466
YIQ	210.1060, -41.4010, -4.0970

# Conversions

## Conversions Part 2

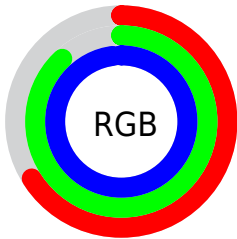
Format	Color
R <sub>Y</sub> B	168, 201, 249
Decimal	11067641
CIE Lab	86.24, -12.02, -17.89
CIE LCh	86, 21.558, 236.107
Yxy	68.4757, 0.2627, 0.3003
Android (android.graphics.Color)	4289257721 (0xFFA8E0F9)
YUV	210.1060, 19.1747, -36.9270
Hunter-Lab	82.7500, -15.5981, -13.4713

# Details

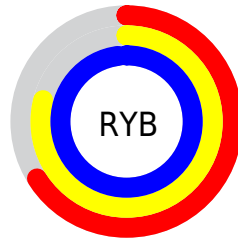
The Yxy color **68.4757, 0.2627, 0.3003** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **61.0940, 0.3797, 0.3558**, and the grayscale version is **64.4182, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7476, 0.2946, 0.3289**, and **35.7369, 0.2508, 0.2927** is the 20% darker color. If you saturate the color by 10%, you get **61.9680, 0.2483, 0.2898**, and if you desaturate by 10%, it is **75.6982, 0.2778, 0.3100**.

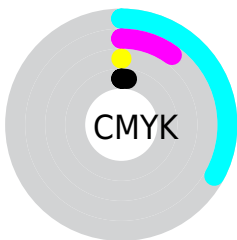
# Distribution



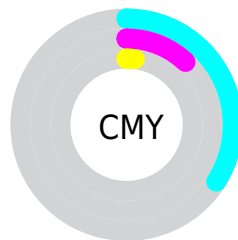
- Red (66%)
- Green (88%)
- Blue (98%)



- Red (66%)
- Yellow (79%)
- Blue (98%)



- Cyan (33%)
- Magenta (10%)
- Yellow (0%)
- Black (2%)



- Cyan (34%)
- Magenta (12%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.4757, 0.2627, 0.3003 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 68.4757, 0.2627, 0.3003 by changing the saturation by 10% instead.



68.4757, 0.2627,  
0.3003

68.4757, 0.2627,  
0.3003

455.1796, 0.2857,  
0.3140

50.2848, 0.2575,  
0.2971

117.0324, 0.2706,  
0.3051

35.6398, 0.2512,  
0.2931

148.1670, 0.2737,  
0.3070

24.1561, 0.2432,  
0.2879

184.3851, 0.2764,  
0.3086

15.4495, 0.2328,  
0.2811

226.0708, 0.2787,  
0.3100

9.1354, 0.2190,  
0.2716

273.6088, 0.2808,  
0.3112

4.8296, 0.1996,  
0.2578

327.3833, 0.2826,

2.1476, 0.1709,

0.3122

0.2359

387.7788, 0.2842,  
0.3132

0.6912, 0.1046,  
0.1988

0.0000, 0.0000,  
0.0000

68.4757, 0.2627,  
0.3003

68.4757, 0.2627,  
0.3003

61.9680, 0.2483,  
0.2898

75.6982, 0.2778,  
0.3100

56.1346, 0.2349,  
0.2788

83.6574, 0.2933,  
0.3190

50.9428, 0.2230,  
0.2672

92.3839, 0.3088,  
0.3271

46.3531, 0.2129,  
0.2554

99.4325, 0.3162,  
0.3345

■ 42.3202, 0.2048,  
0.2435

■ 99.6169, 0.3162,  
0.3348

■ 38.7899, 0.1987,  
0.2318

■ 36.4141, 0.1953,  
0.2231

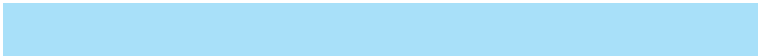
# Harmonies

## Analogous

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



68.4757, 0.2675, 0.3221



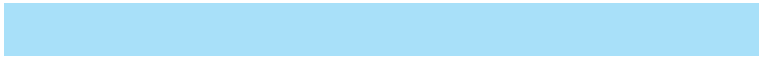
68.4757, 0.2627, 0.3003



68.4757, 0.2705, 0.2874

# Triad

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



68.4757, 0.2627, 0.3003



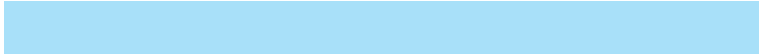
68.4757, 0.3413, 0.3113



68.4757, 0.3349, 0.3762

# Complementary

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



68.4757, 0.2627, 0.3003



61.0940, 0.3797, 0.3558

# 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.



68.4757, 0.3560, 0.3708



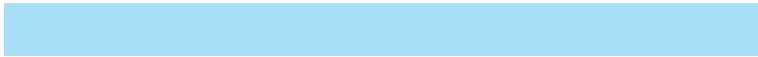
68.4757, 0.2627, 0.3003



68.4757, 0.3600, 0.3329

# Square

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



68.4757, 0.2627, 0.3003



68.4757, 0.3152, 0.2943



68.4757, 0.3654, 0.3546

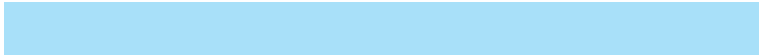


68.4757, 0.3085, 0.3676



# Rectangle

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



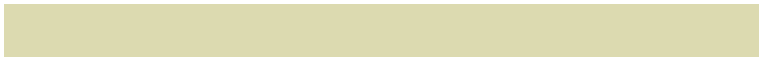
68.4757, 0.2627, 0.3003



68.4757, 0.2820, 0.2850



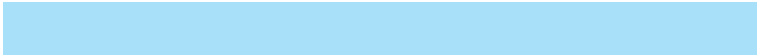
68.4757, 0.3654, 0.3546



68.4757, 0.3429, 0.3758

# Sweetspot

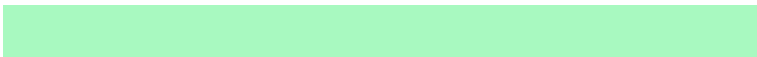
The Sweet Spot groups the original color and five complimentary colors.



68.4784, 0.2627, 0.3003



90.5657, 0.2972, 0.3211



79.8730, 0.2952, 0.3959



19.1152, 0.2950, 0.3199



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

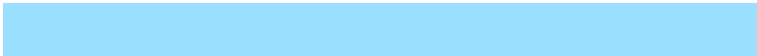


# Same Dimension

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



68.4784, 0.2627, 0.3003



67.7340, 0.2532, 0.2935



49.5365, 0.2567, 0.2521



18.6524, 0.2980, 0.3215



19.7631, 0.1958, 0.2250



2.0184, 0.1997, 0.2389



# Inverse Universe

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



53.5310, 0.3370, 0.2712



50.2861, 0.3434, 0.2595



81.1093, 0.3667, 0.3955



17.4281, 0.3185, 0.3127



12.4060, 0.4179, 0.2076

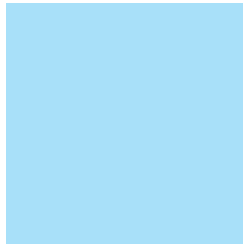


1.1680, 0.4035, 0.1996



# Previews

## White Background



This preview shows how the Yxy color 68.4757, 0.2627, 0.3003 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

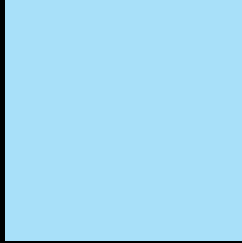
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.4757, 0.2627, 0.3003 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 68.4757, 0.2627, 0.3003**

## Background



This preview shows how black text looks on a background with the Yxy color 68.4757, 0.2627, 0.3003.

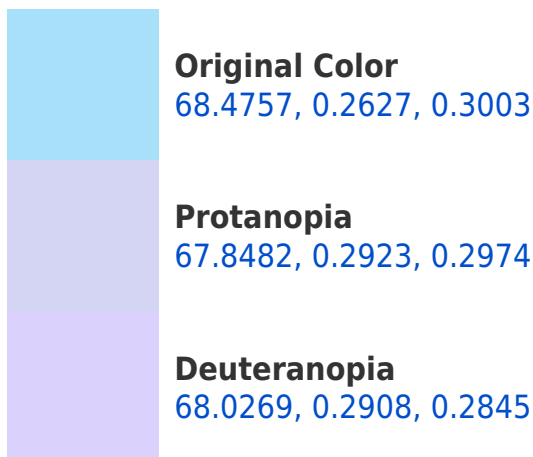


This preview shows how white text looks on a background with the Yxy color 68.4757, 0.2627, 0.3003.

# 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



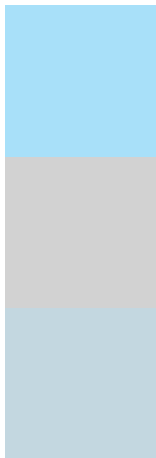
**Original Color**  
68.4757, 0.2627, 0.3003

**Protanomaly**  
67.8204, 0.2802, 0.2978

**Deuteranomaly**  
67.8453, 0.2797, 0.2896

**Tritanomaly**  
68.6585, 0.2643, 0.3058

# Monochromacy



**Original Color**  
68.4757, 0.2627, 0.3003

**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 68.4757, 0.2627, 0.3003 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, 249)` looks like.

```
.text, #text, p{  
    color:rgb(168, 224, 249)  
}
```

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, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 224, 249) }
```

## Border

The CSS property to change the border of an element to Yxy 68.4757, 0.2627, 0.3003 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, 249) }
```

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

```
.border{ border-color:rgb(168, 224, 249) }
```

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, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 224, 249); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 224, 249); box-shadow:4px 4px 4px 4px rgb(168, 224, 249) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.4757, 0.2627, 0.3003 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, 249) }
```

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

```
.background{ background-color: rgb(168,  
224, 249) }
```

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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