

Converting Colors

$Yxy(68.3577, 0.2586, 0.2990)$

Have a look what the booklet for
Yxy(68.3577, 0.2586, 0.2990)
contains.

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Color

Yxy(68.4968, 0.2586, 0.2990)

Conversions

Conversions Part 1

Format	Color
Hex	A2E1FB
RGB	162, 225, 251
RGB Percent	64%, 88%, 98%
CMY	0.3645, 0.1177, 0.0158
CMYK	0.35, 0.10, 0.00, 0.02
HSL	198°, 92%, 81%
HSV	198°, 35%, 98%
XYZ	59.2417, 68.4968, 101.3478
YIQ	209.1270, -45.8940, -5.2700

Conversions

Conversions Part 2

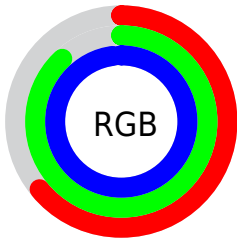
Format	Color
R_{YB}	162, 199, 251
Decimal	10674683
CIE _{Lab}	86.25, -13.65, -18.98
CIE _{LCh}	86, 23.373, 234.275
Yxy	68.4968, 0.2586, 0.2990
Android (android.graphics.Color)	4288864763 (0xFFA2E1FB)
YUV	209.1270, 20.6434, -41.3304
Hunter-Lab	82.7628, -17.0644, -14.6700

Details

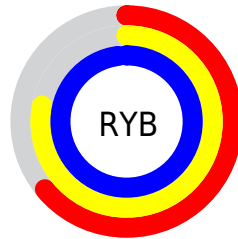
The Yxy color **68.4968, 0.2586, 0.2990** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **59.0940, 0.3882, 0.3568**, and the grayscale version is **63.7395, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8001, 0.2911, 0.3289**, and **35.7703, 0.2467, 0.2925** is the 20% darker color. If you saturate the color by 10%, you get **62.2475, 0.2446, 0.2889**, and if you desaturate by 10%, it is **75.4462, 0.2734, 0.3084**.

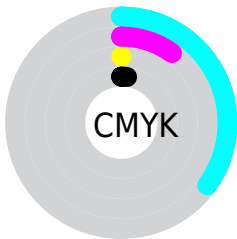
Distribution



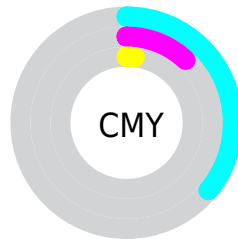
- Red (64%)
- Green (88%)
- Blue (98%)



- Red (64%)
- Yellow (78%)
- Blue (98%)



- Cyan (35%)
- Magenta (10%)
- Yellow (0%)
- Black (2%)



- Cyan (36%)
- Magenta (12%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.4968, 0.2586, 0.2990 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 68.4968, 0.2586, 0.2990 by changing the saturation by 10% instead.

68.4968, 0.2586,
0.2990

68.4968, 0.2586,
0.2990

455.2542, 0.2834,
0.3134

50.3020, 0.2530,
0.2956

117.0626, 0.2671,
0.3041

35.6534, 0.2462,
0.2914

148.2023, 0.2705,
0.3060

24.1666, 0.2376,
0.2860

184.4259, 0.2734,
0.3077

15.4573, 0.2266,
0.2788

226.1176, 0.2759,
0.3091

9.1409, 0.2118,
0.2688

273.6619, 0.2781,
0.3104

4.8332, 0.1913,
0.2543

327.4432, 0.2801,

2.1497, 0.1612,

0.3115

387.8458, 0.2818,
0.3125

0.2313

0.6924, 0.0907,
0.1932

0.0000, 0.0000,
0.0000

68.4968, 0.2586,
0.2990

68.4968, 0.2586,
0.2990

62.2475, 0.2446,
0.2889

75.4462, 0.2734,
0.3084

56.6569, 0.2319,
0.2783

83.1186, 0.2888,
0.3171

51.6907, 0.2207,
0.2674

91.5454, 0.3043,
0.3250

47.3076, 0.2114,
0.2562

99.3153, 0.3151,
0.3322

■ 43.4595, 0.2041,
0.2450

■ 99.7438, 0.3150,
0.3328

■ 40.0878, 0.1989,
0.2339

■ 38.6683, 0.1969,
0.2290

Harmonies

Analogous

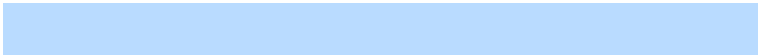
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.4968, 0.2646, 0.3230



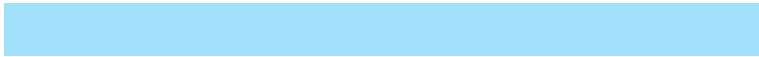
68.4968, 0.2586, 0.2990



68.4968, 0.2662, 0.2845

Triad

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



68.4968, 0.2586, 0.2990



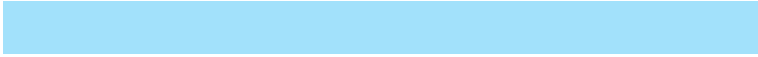
68.4968, 0.3421, 0.3085



68.4968, 0.3383, 0.3803

Complementary

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



68.4968, 0.2586, 0.2990



59.0940, 0.3882, 0.3568

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.



68.4968, 0.3606, 0.3734



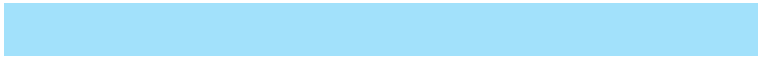
68.4968, 0.2586, 0.2990



68.4968, 0.3632, 0.3316

Square

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



68.4968, 0.2586, 0.2990



68.4968, 0.3135, 0.2907



68.4968, 0.3700, 0.3552



68.4968, 0.3099, 0.3720

Rectangle

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



68.4968, 0.2586, 0.2990



68.4968, 0.2781, 0.2815



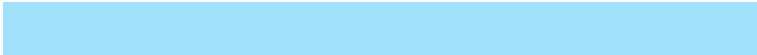
68.4968, 0.3700, 0.3552



68.4968, 0.3468, 0.3796

Sweetspot

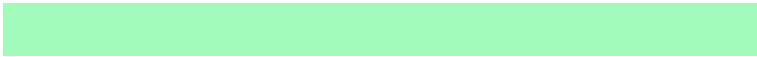
The Sweet Spot groups the original color and five complimentary colors.



68.4995, 0.2586, 0.2990



89.9453, 0.2956, 0.3207



80.2663, 0.2946, 0.4049



19.0012, 0.2935, 0.3196



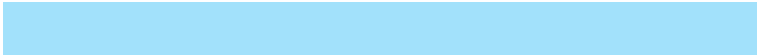
0.0000, 0.0000, 0.0000



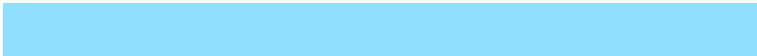
21.4041, 0.3127, 0.3290

Same Dimension

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



68.4995, 0.2586, 0.2990



66.0289, 0.2479, 0.2914



47.8260, 0.2513, 0.2457



18.7017, 0.2980, 0.3219



20.5933, 0.1975, 0.2308



2.0902, 0.2011, 0.2439

Inverse Universe

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



51.7986, 0.3385, 0.2645



46.9438, 0.3460, 0.2509



80.6663, 0.3725, 0.4002



17.4331, 0.3183, 0.3124



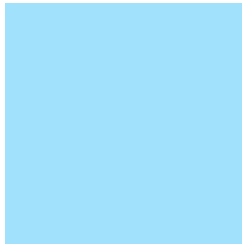
12.4898, 0.4118, 0.2042



1.1752, 0.3983, 0.1968

Previews

White Background



This preview shows how the Yxy color 68.4968, 0.2586, 0.2990 looks on a white background.

Color Contrast Check

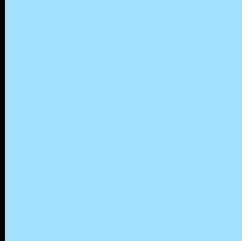
Large Text (above 18pt) WCAG AA × Fail

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 68.4968, 0.2586, 0.2990 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 68.4968, 0.2586, 0.2990

Background



This preview shows how black text looks on a background with the Yxy color 68.4968, 0.2586, 0.2990.

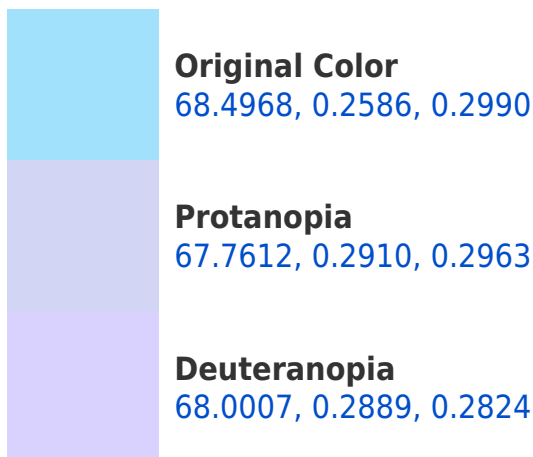


This preview shows how white text looks on a background with the Yxy color 68.4968, 0.2586, 0.2990.

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

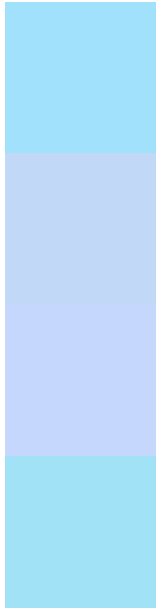




Tritanopia

68.3979, 0.2612, 0.3079

Trichromacy



Original Color

68.4968, 0.2586, 0.2990

Protanomaly

67.6170, 0.2783, 0.2966

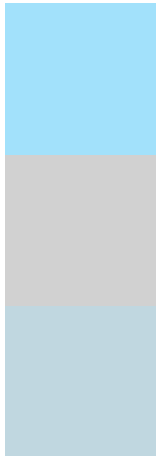
Deuteranomaly

67.5630, 0.2766, 0.2873

Tritanomaly

68.6852, 0.2602, 0.3046

Monochromacy



Original Color

68.4968, 0.2586, 0.2990

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

65.1892, 0.2907, 0.3185

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.4968, 0.2586, 0.2990 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(162, 225, 251)` looks like.

```
.text, #text, p{  
    color:rgb(162, 225, 251)  
}
```

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(162, 225, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 225, 251) }
```

Border

The CSS property to change the border of an element to Yxy 68.4968, 0.2586, 0.2990 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(162, 225, 251) }
```

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

```
.border{ border-color:rgb(162, 225, 251) }
```

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

Here you see how a box with a 4 pixel rgb(162, 225, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 225, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 225, 251);  
box-shadow:4px 4px 4px 4px rgb(162, 225,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 68.4968, 0.2586, 0.2990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 225, 251) }
```

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

```
.background{ background-color: rgb(162,  
225, 251) }
```

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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