

Converting Colors

$Yxy(70.1665, 0.2683, 0.3074)$

Have a look what the booklet for
Yxy(70.1665, 0.2683, 0.3074)
contains.

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Color

Yxy(69.9840, 0.2684, 0.3072)

Conversions

Conversions Part 1

Format	Color
Hex	AEE2F5
RGB	174, 226, 245
RGB Percent	68%, 89%, 96%
CMY	0.3174, 0.1138, 0.0392
CMYK	0.29, 0.08, 0.00, 0.04
HSL	196°, 78%, 82%
HSV	196°, 29%, 96%
XYZ	61.1449, 69.9840, 96.6836
YIQ	212.6180, -37.0910, -5.1150

Conversions

Conversions Part 2

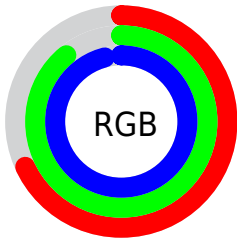
Format	Color
RYB	174, 204, 245
Decimal	11461365
CIELab	86.99, -12.29, -14.67
CIELCh	87, 19.134, 230.038
Yxy	69.9840, 0.2684, 0.3072
Android (android.graphics.Color)	4289651445 (0xFFAAEE2F5)
YUV	212.6180, 15.9643, -33.8680
Hunter-Lab	83.6564, -15.9323, -9.9633

Details

The Yxy color **69.9840, 0.2684, 0.3072** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **60.6526, 0.3713, 0.3497**, and the grayscale version is **66.1908, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7289, 0.2982, 0.3290**, and **36.7219, 0.2577, 0.3018** is the 20% darker color. If you saturate the color by 10%, you get **63.9186, 0.2541, 0.2984**, and if you desaturate by 10%, it is **76.7052, 0.2834, 0.3154**.

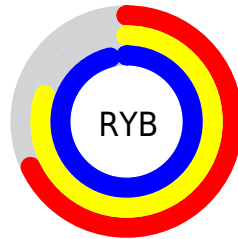
Distribution



Red (68%)

Green (89%)

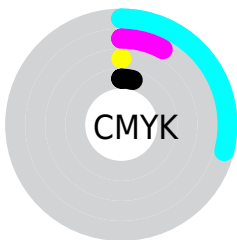
Blue (96%)



Red (68%)

Yellow (80%)

Blue (96%)

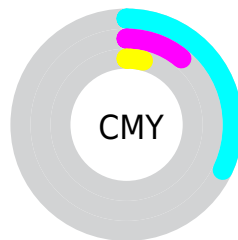


Cyan (29%)

Magenta (8%)

Yellow (0%)

Black (4%)



Cyan (32%)

Magenta (11%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.9840, 0.2684, 0.3072 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 69.9840, 0.2684, 0.3072 by changing the saturation by 10% instead.

69.9840, 0.2684,
0.3072

69.9840, 0.2684,
0.3072

460.4938, 0.2887,
0.3176

51.5135, 0.2638,
0.3047

119.1859, 0.2754,
0.3109

36.6174, 0.2582,
0.3017

150.6862, 0.2781,
0.3123

24.9114, 0.2511,
0.2977

187.2984, 0.2805,
0.3135

16.0111, 0.2419,
0.2925

229.4071, 0.2826,
0.3146

9.5320, 0.2296,
0.2851

277.3965, 0.2844,
0.3155

5.0898, 0.2122,
0.2743

331.6512, 0.2860,

2.3000, 0.1862,

0.3163

0.2570

392.5555, 0.2874,
0.3170

0.7737, 0.1285,
0.2283

0.0000, 0.0000,
0.0000

69.9840, 0.2684,
0.3072

69.9840, 0.2684,
0.3072

63.9186, 0.2541,
0.2984

76.7052, 0.2834,
0.3154

58.4712, 0.2408,
0.2890

84.1012, 0.2988,
0.3229

53.6125, 0.2289,
0.2793

92.2002, 0.3143,
0.3297

49.3069, 0.2187,
0.2692

97.6442, 0.3187,
0.3360

■ 45.5140, 0.2104,
0.2590

■ 99.3736, 0.3185,
0.3386

■ 42.1860, 0.2042,
0.2489

■ 39.2528, 0.1998,
0.2389

■ 38.9609, 0.1994,
0.2378

Harmonies

Analogous

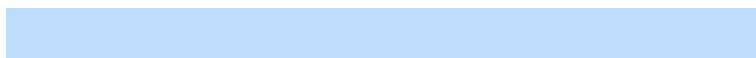
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.9840, 0.2750, 0.3275



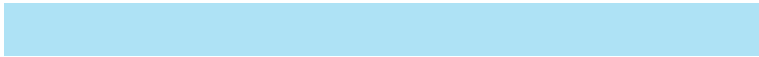
69.9840, 0.2684, 0.3072



69.9840, 0.2731, 0.2939

Triad

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



69.9840, 0.2684, 0.3072



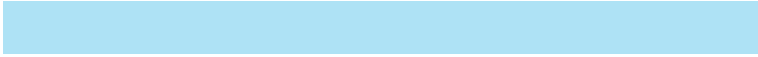
69.9840, 0.3336, 0.3098



69.9840, 0.3367, 0.3704

Complementary

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



69.9840, 0.2684, 0.3072



60.6526, 0.3713, 0.3497

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.



69.9840, 0.3535, 0.3637



69.9840, 0.2684, 0.3072



69.9840, 0.3518, 0.3286

Square

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



69.9840, 0.2684, 0.3072



69.9840, 0.3101, 0.2960



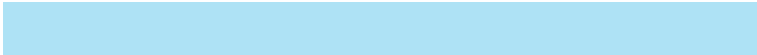
69.9840, 0.3592, 0.3481



69.9840, 0.3139, 0.3653

Rectangle

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



69.9840, 0.2684, 0.3072



69.9840, 0.2821, 0.2902



69.9840, 0.3592, 0.3481



69.9840, 0.3433, 0.3694

Sweetspot

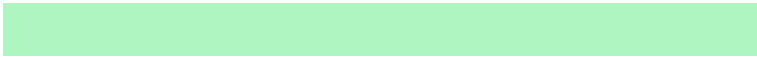
The Sweet Spot groups the original color and five complimentary colors.



69.9868, 0.2684, 0.3072



92.0404, 0.2988, 0.3228



78.1699, 0.2983, 0.3903



19.4377, 0.2965, 0.3218



0.0000, 0.0000, 0.0000



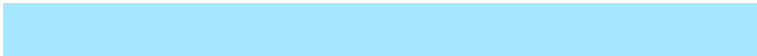
21.4041, 0.3127, 0.3290

Same Dimension

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



69.9868, 0.2684, 0.3072



72.4900, 0.2595, 0.3019



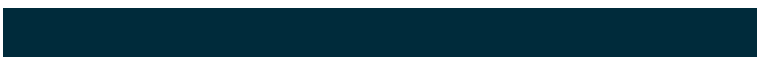
52.6945, 0.2638, 0.2648



17.9621, 0.2980, 0.3225



21.2262, 0.1999, 0.2395



2.0343, 0.2033, 0.2520

Inverse Universe

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



55.2019, 0.3313, 0.2749



54.2150, 0.3363, 0.2632



78.2142, 0.3610, 0.3858



16.6880, 0.3179, 0.3118



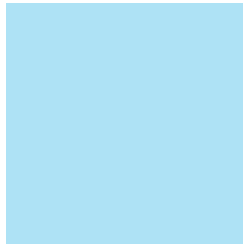
12.2422, 0.4029, 0.1993



1.0930, 0.3902, 0.1923

Previews

White Background



This preview shows how the Yxy color 69.9840, 0.2684, 0.3072 looks on a white background.

Color Contrast Check

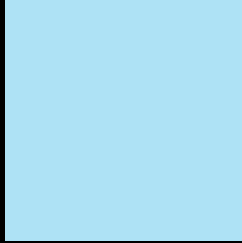
Large Text (above 18pt) WCAG AA × Fail

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 69.9840, 0.2684, 0.3072 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 69.9840, 0.2684, 0.3072

Background



This preview shows how black text looks on a background with the Yxy color 69.9840, 0.2684, 0.3072.

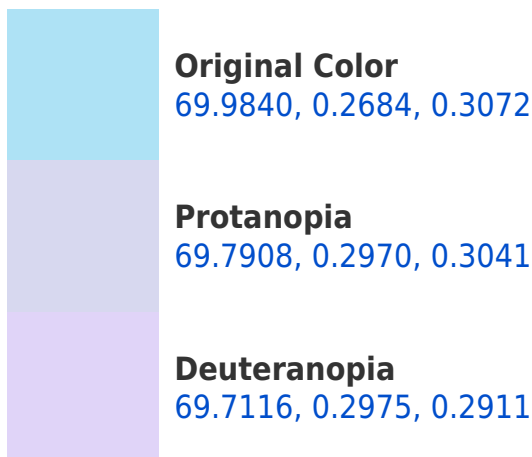


This preview shows how white text looks on a background with the Yxy color 69.9840, 0.2684, 0.3072.

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

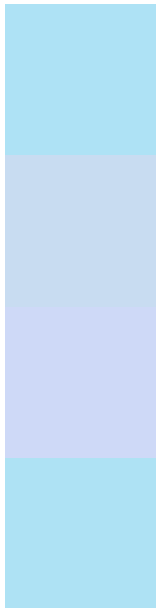




Tritanopia

69.9230, 0.2689, 0.3083

Trichromacy



Original Color

69.9840, 0.2684, 0.3072

Protanomaly

69.8166, 0.2859, 0.3057

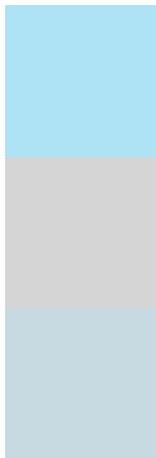
Deuteranomaly

69.4629, 0.2861, 0.2964

Tritanomaly

69.9230, 0.2689, 0.3083

Monochromacy



Original Color

69.9840, 0.2684, 0.3072

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

67.7212, 0.2949, 0.3210

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.9840, 0.2684, 0.3072 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(174, 226, 245)` looks like.

```
.text, #text, p{  
    color:rgb(174, 226, 245)  
}
```

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(174, 226, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 226, 245) }
```

Border

The CSS property to change the border of an element to Yxy 69.9840, 0.2684, 0.3072 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(174, 226, 245) }
```

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

```
.border{ border-color:rgb(174, 226, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 226, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 226, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 226, 245);  
box-shadow:4px 4px 4px 4px rgb(174, 226,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 69.9840, 0.2684, 0.3072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 226, 245) }
```

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

```
.background{ background-color: rgb(174,  
226, 245) }
```

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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