

Converting Colors

$Yxy(68.9263, 0.2582, 0.2951)$

Have a look what the booklet for
Yxy(68.9263, 0.2582, 0.2951)
contains.

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Color

Yxy(69.0698, 0.2582, 0.2948)

Conversions

Conversions Part 1

Format	Color
Hex	A5E1FF
RGB	165, 225, 255
RGB Percent	65%, 88%, 100%
CMY	0.3528, 0.1176, 0.0001
CMYK	0.35, 0.12, 0.00, 0.00
HSL	200°, 100%, 82%
HSV	200°, 35%, 100%
XYZ	60.4946, 69.0698, 104.7293
YIQ	210.4800, -45.3900, -3.3900

Conversions

Conversions Part 2

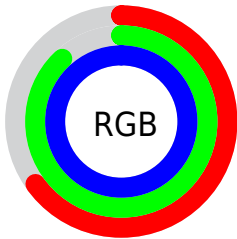
Format	Color
RYB	165, 201, 255
Decimal	10871295
CIELab	86.54, -11.88, -20.63
CIELCh	87, 23.810, 240.061
Yxy	69.0698, 0.2582, 0.2948
Android (android.graphics.Color)	4289061375 (0xFFA5E1FF)
YUV	210.4800, 21.9484, -39.8860
Hunter-Lab	83.1082, -15.5089, -16.5389

Details

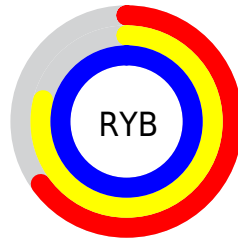
The Yxy color **69.0698, 0.2582, 0.2948** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **63.0111, 0.3865, 0.3605**, and the grayscale version is **64.6619, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **36.1417, 0.2462, 0.2870** is the 20% darker color. If you saturate the color by 10%, you get **62.1233, 0.2438, 0.2832**, and if you desaturate by 10%, it is **76.7954, 0.2734, 0.3056**.

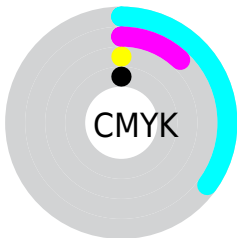
Distribution



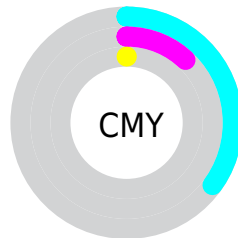
- Red (65%)
- Green (88%)
- Blue (100%)



- Red (65%)
- Yellow (79%)
- Blue (100%)



- Cyan (35%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)





- Cyan (35%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.0698, 0.2582, 0.2948 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 69.0698, 0.2582, 0.2948 by changing the saturation by 10% instead.


 69.0698, 0.2582,
0.2948


 69.0698, 0.2582,
0.2948


457.2771, 0.2831,
0.3110

 50.7686, 0.2526,
0.2910


 117.8813, 0.2668,
0.3005

 36.0244, 0.2458,
0.2863


 149.1603, 0.2701,
0.3027

 24.4531, 0.2372,
0.2803


185.5340, 0.2730,
0.3046

 15.6701, 0.2261,
0.2724


227.3868, 0.2756,
0.3062

 9.2910, 0.2115,
0.2615

275.1032, 0.2778,
0.3077

 4.9315, 0.1911,
0.2458

329.0674, 0.2798,

 2.2071, 0.1614,

0.3089

0.2215

389.6639, 0.2815,
0.3100

0.7239, 0.0998,
0.1815

0.0000, 0.0000,
0.0000

69.0698, 0.2582,
0.2948

69.0698, 0.2582,
0.2948

62.1233, 0.2438,
0.2832

76.7954, 0.2734,
0.3056

55.9121, 0.2304,
0.2710

85.3252, 0.2889,
0.3156

50.3994, 0.2186,
0.2583

94.6927, 0.3046,
0.3246

45.5411, 0.2087,
0.2454

99.9984, 0.3127,
0.3290

■ 41.2862, 0.2008,
0.2324

■ 37.5726, 0.1950,
0.2197

■ 35.9645, 0.1927,
0.2138

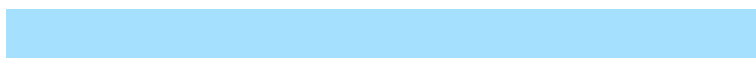
Harmonies

Analogous

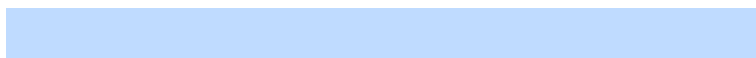
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.0698, 0.2616, 0.3177



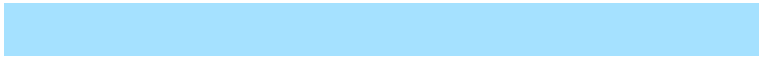
69.0698, 0.2582, 0.2948



69.0698, 0.2684, 0.2824

Triad

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



69.0698, 0.2582, 0.2948



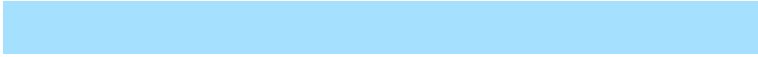
69.0698, 0.3476, 0.3124



69.0698, 0.3334, 0.3808

Complementary

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



69.0698, 0.2582, 0.2948



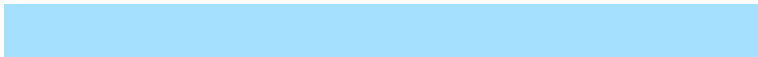
63.0111, 0.3865, 0.3605

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.



69.0698, 0.3578, 0.3765



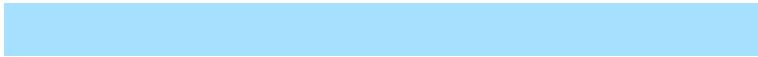
69.0698, 0.2582, 0.2948



69.0698, 0.3666, 0.3364

Square

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



69.0698, 0.2582, 0.2948



69.0698, 0.3193, 0.2930



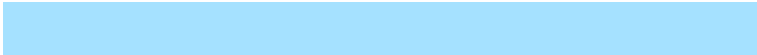
69.0698, 0.3703, 0.3598



69.0698, 0.3042, 0.3694

Rectangle

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



69.0698, 0.2582, 0.2948



69.0698, 0.2820, 0.2808



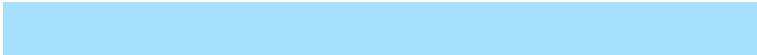
69.0698, 0.3703, 0.3598



69.0698, 0.3425, 0.3810

Sweetspot

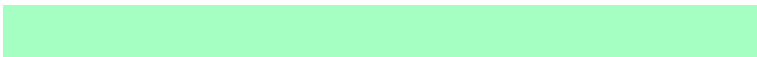
The Sweet Spot groups the original color and five complimentary colors.



69.0725, 0.2582, 0.2948



89.2421, 0.2956, 0.3195



83.3816, 0.2931, 0.4009



18.8331, 0.2935, 0.3183



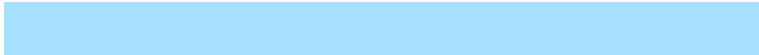
0.0000, 0.0000, 0.0000



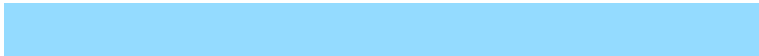
21.4041, 0.3127, 0.3290

Same Dimension

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



69.0725, 0.2582, 0.2948



64.3279, 0.2484, 0.2871



48.4854, 0.2510, 0.2424



19.4014, 0.2980, 0.3209



19.0822, 0.1933, 0.2159



2.0591, 0.1973, 0.2303

Inverse Universe

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



53.6166, 0.3416, 0.2682



47.5389, 0.3491, 0.2567



85.4068, 0.3713, 0.4027



18.1914, 0.3189, 0.3133



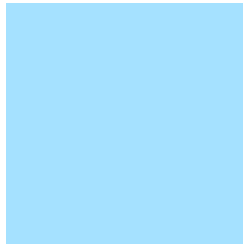
12.6543, 0.4277, 0.2130



1.2524, 0.4123, 0.2045

Previews

White Background



This preview shows how the Yxy color 69.0698, 0.2582, 0.2948 looks on a white background.

Color Contrast Check

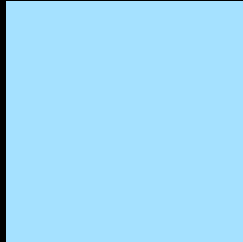
Large Text (above 18pt) WCAG AA × Fail

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 69.0698, 0.2582, 0.2948 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

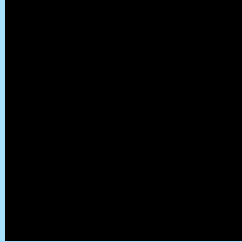
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.0698, 0.2582, 0.2948

Background



This preview shows how black text looks on a background with the Yxy color 69.0698, 0.2582, 0.2948.

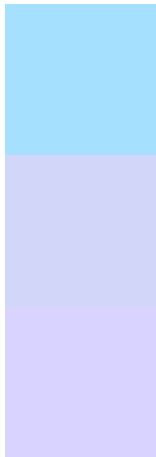


This preview shows how white text looks on a background with the Yxy color 69.0698, 0.2582, 0.2948.

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



Original Color

69.0698, 0.2582, 0.2948

Protanopia

68.5721, 0.2880, 0.2923

Deuteranopia

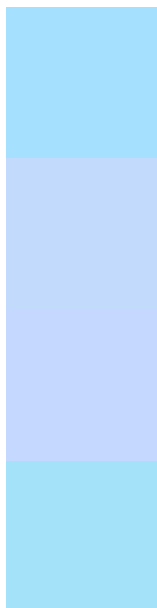
68.4075, 0.2876, 0.2824



Tritanopia

69.3173, 0.2624, 0.3080

Trichromacy



Original Color

69.0698, 0.2582, 0.2948

Protanomaly

68.5772, 0.2762, 0.2926

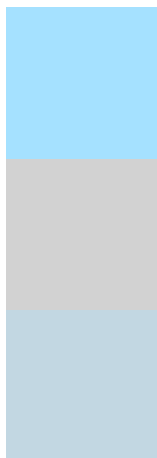
Deuteranomaly

68.2021, 0.2756, 0.2864

Tritanomaly

69.1248, 0.2608, 0.3024

Monochromacy



Original Color

69.0698, 0.2582, 0.2948

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

65.5612, 0.2908, 0.3163

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.0698, 0.2582, 0.2948 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(165, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(165, 225, 255)  
}
```

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(165, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 225, 255) }
```

Border

The CSS property to change the border of an element to Yxy 69.0698, 0.2582, 0.2948 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(165, 225, 255) }
```

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

```
.border{ border-color:rgb(165, 225, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(165, 225,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 69.0698, 0.2582, 0.2948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 225, 255) }
```

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

```
.background{ background-color: rgb(165,  
225, 255) }
```

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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