

Converting Colors

$Yxy(68.9973, 0.2607, 0.2937)$

Have a look what the booklet for
Yxy(68.9973, 0.2607, 0.2937)
contains.

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Color

Yxy(69.0774, 0.2607, 0.2939)

Conversions

Conversions Part 1

Format	Color
Hex	AAE0FF
RGB	170, 224, 255
RGB Percent	67%, 88%, 100%
CMY	0.3334, 0.1215, 0.0001
CMYK	0.33, 0.12, 0.00, 0.00
HSL	202°, 100%, 83%
HSV	202°, 33%, 100%
XYZ	61.2742, 69.0774, 104.6855
YIQ	211.3880, -42.1350, -1.8070

Conversions

Conversions Part 2

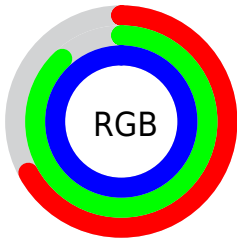
Format	Color
R _Y B	170, 203, 255
Decimal	11198719
CIE Lab	86.54, -10.06, -20.60
CIE LCh	87, 22.924, 243.970
Yxy	69.0774, 0.2607, 0.2939
Android (android.graphics.Color)	4289388799 (0xFFAAE0FF)
YUV	211.3880, 21.5007, -36.2973
Hunter-Lab	83.1128, -13.8499, -16.5003

Details

The Yxy color **69.0774, 0.2607, 0.2939** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **65.8954, 0.3804, 0.3614**, and the grayscale version is **65.2844, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0709, 0.2958, 0.3290**, and **36.0980, 0.2490, 0.2858** is the 20% darker color. If you saturate the color by 10%, you get **61.6530, 0.2458, 0.2813**, and if you desaturate by 10%, it is **77.3308, 0.2762, 0.3056**.

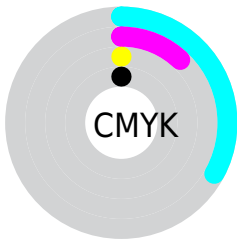
Distribution



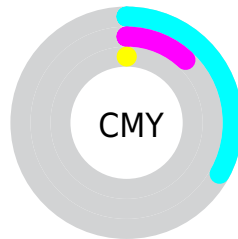
- Red (67%)
- Green (88%)
- Blue (100%)



- Red (67%)
- Yellow (80%)
- Blue (100%)



- Cyan (33%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (33%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.0774, 0.2607, 0.2939 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 69.0774, 0.2607, 0.2939 by changing the saturation by 10% instead.

 69.0774, 0.2607,
0.2939

 69.0774, 0.2607,
0.2939


457.3039, 0.2845,
0.3105

 50.7747, 0.2553,
0.2900


 117.8921, 0.2689,
0.2997

 36.0294, 0.2488,
0.2853


149.1730, 0.2721,
0.3020

 24.4569, 0.2406,
0.2792


185.5487, 0.2749,
0.3039

 15.6729, 0.2300,
0.2712

227.4037, 0.2773,
0.3056

 9.2930, 0.2158,
0.2602

275.1223, 0.2794,
0.3070

 4.9328, 0.1962,
0.2445

329.0889, 0.2813,

 2.2079, 0.1674,

0.3083

0.2201

389.6880, 0.2830,
0.3095

0.7243, 0.1099,
0.1798

0.0000, 0.0000,
0.0000

69.0774, 0.2607,
0.2939

69.0774, 0.2607,
0.2939

61.6530, 0.2458,
0.2813

77.3308, 0.2762,
0.3056

55.0132, 0.2318,
0.2680

86.4388, 0.2919,
0.3163

49.1210, 0.2192,
0.2541

96.4354, 0.3076,
0.3260

43.9323, 0.2084,
0.2399

99.9981, 0.3127,
0.3290

■ 39.3965, 0.1996,
0.2256

■ 35.4530, 0.1930,
0.2116

■ 33.0980, 0.1896,
0.2025

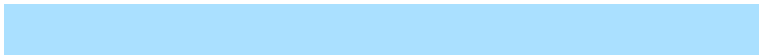
Harmonies

Analogous

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



69.0774, 0.2623, 0.3149



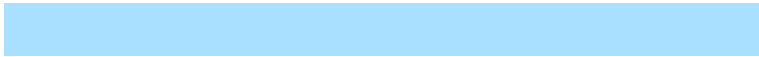
69.0774, 0.2607, 0.2939



69.0774, 0.2722, 0.2834

Triad

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



69.0774, 0.2607, 0.2939



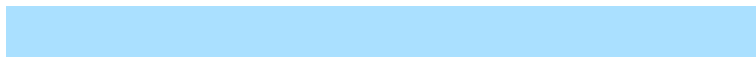
69.0774, 0.3493, 0.3159



69.0774, 0.3291, 0.3782

Complementary

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



69.0774, 0.2607, 0.2939



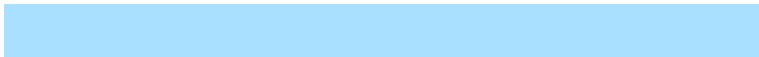
65.8954, 0.3804, 0.3614

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.



69.0774, 0.3536, 0.3761



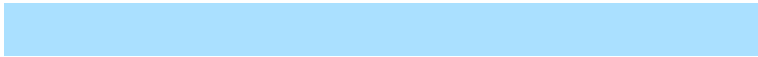
69.0774, 0.2607, 0.2939



69.0774, 0.3659, 0.3393

Square

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



69.0774, 0.2607, 0.2939



69.0774, 0.3228, 0.2963



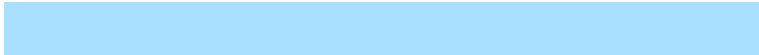
69.0774, 0.3674, 0.3613



69.0774, 0.3009, 0.3654

Rectangle

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



69.0774, 0.2607, 0.2939



69.0774, 0.2862, 0.2829



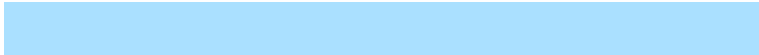
69.0774, 0.3674, 0.3613



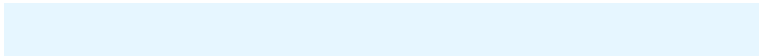
69.0774, 0.3381, 0.3791

Sweetspot

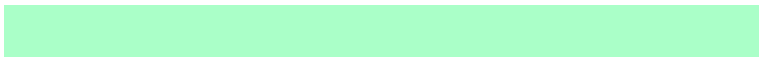
The Sweet Spot groups the original color and five complimentary colors.



69.0801, 0.2607, 0.2939



89.6975, 0.2972, 0.3196



84.2013, 0.2926, 0.3928



18.9046, 0.2950, 0.3183



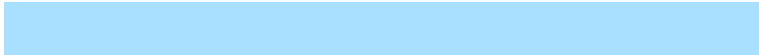
0.0000, 0.0000, 0.0000



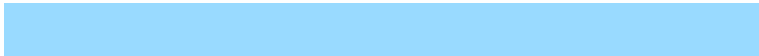
21.4041, 0.3127, 0.3290

Same Dimension

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



69.0801, 0.2607, 0.2939



64.0584, 0.2507, 0.2856



49.5133, 0.2544, 0.2446



19.3036, 0.2980, 0.3201



17.5930, 0.1902, 0.2048



1.9211, 0.1946, 0.2205

Inverse Universe

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



55.3760, 0.3418, 0.2741



49.0967, 0.3497, 0.2631



87.7914, 0.3670, 0.4012



18.1815, 0.3194, 0.3140



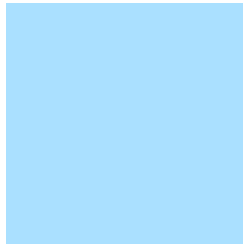
12.5040, 0.4399, 0.2197



1.2385, 0.4227, 0.2102

Previews

White Background



This preview shows how the Yxy color 69.0774, 0.2607, 0.2939 looks on a white background.

Color Contrast Check

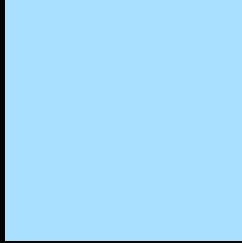
Large Text (above 18pt) WCAG AA × Fail

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 69.0774, 0.2607, 0.2939 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

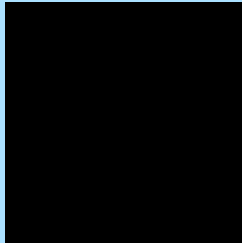
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.0774, 0.2607, 0.2939

Background



This preview shows how black text looks on a background with the Yxy color 69.0774, 0.2607, 0.2939.



This preview shows how white text looks on a background with the Yxy color 69.0774, 0.2607, 0.2939.

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

69.0774, 0.2607, 0.2939

Protanopia

68.5721, 0.2880, 0.2923

Deuteranopia

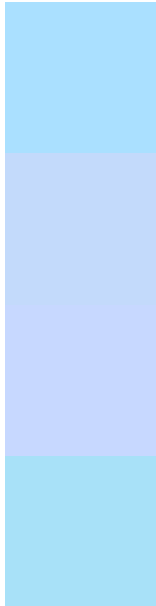
68.4075, 0.2876, 0.2824



Tritanopia

69.1399, 0.2650, 0.3081

Trichromacy



Original Color

69.0774, 0.2607, 0.2939

Protanomaly

68.7099, 0.2768, 0.2926

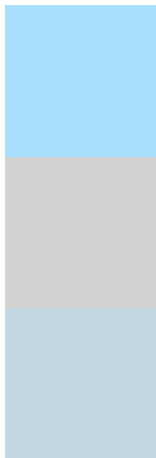
Deuteranomaly

68.4738, 0.2769, 0.2865

Tritanomaly

68.9526, 0.2633, 0.3025

Monochromacy



Original Color

69.0774, 0.2607, 0.2939

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

66.3935, 0.2916, 0.3164

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.0774, 0.2607, 0.2939 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(170, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(170, 224, 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(170, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 224, 255) }
```

Border

The CSS property to change the border of an element to Yxy 69.0774, 0.2607, 0.2939 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(170, 224, 255) }
```

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

```
.border{ border-color:rgb(170, 224, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 224, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(170, 224,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 69.0774, 0.2607, 0.2939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 224, 255) }
```

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

```
.background{ background-color: rgb(170,  
224, 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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