

Converting Colors

$Yxy(69.6059, 0.2616, 0.2947)$

Have a look what the booklet for
Yxy(69.6059, 0.2616, 0.2947)
contains.

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Color

Yxy(69.7284, 0.2614, 0.2951)

Conversions

Conversions Part 1

Format	Color
Hex	ABE1FF
RGB	171, 225, 255
RGB Percent	67%, 88%, 100%
CMY	0.3294, 0.1176, 0.0001
CMYK	0.33, 0.12, 0.00, 0.00
HSL	201°, 100%, 84%
HSV	201°, 33%, 100%
XYZ	61.7655, 69.7284, 104.7934
YIQ	212.2740, -41.8140, -2.1180

Conversions

Conversions Part 2

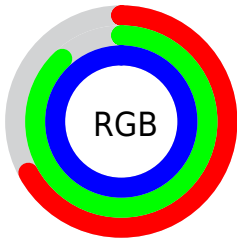
Format	Color
RYB	171, 204, 255
Decimal	11264511
CIELab	86.86, -10.29, -20.11
CIELCh	87, 22.594, 242.900
Yxy	69.7284, 0.2614, 0.2951
Android (android.graphics.Color)	4289454591 (0xFFABE1FF)
YUV	212.2740, 21.0639, -36.1973
Hunter-Lab	83.5035, -14.0991, -15.9540

Details

The Yxy color **69.7284, 0.2614, 0.2951** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **65.9535, 0.3796, 0.3604**, and the grayscale version is **65.9082, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **36.5397, 0.2499, 0.2875** is the 20% darker color. If you saturate the color by 10%, you get **62.3490, 0.2465, 0.2828**, and if you desaturate by 10%, it is **77.9278, 0.2769, 0.3065**.

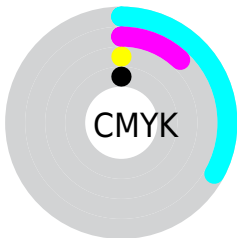
Distribution



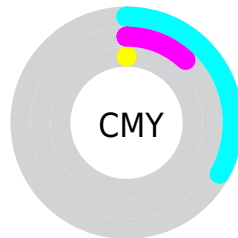
- Red (67%)
- Green (88%)
- Blue (100%)



- 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 69.7284, 0.2614, 0.2951 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 69.7284, 0.2614, 0.2951 by changing the saturation by 10% instead.

■ 69.7284, 0.2614,
0.2951

■ 69.7284, 0.2614,
0.2951

459.5958, 0.2849,
0.3111

■ 51.3051, 0.2561,
0.2914

■ 118.8214, 0.2695,
0.3007

■ 36.4515, 0.2497,
0.2868

150.2598, 0.2726,
0.3029

■ 24.7831, 0.2416,
0.2809

186.8055, 0.2754,
0.3047

■ 15.9155, 0.2312,
0.2732

228.8428, 0.2777,
0.3064

■ 9.4644, 0.2173,
0.2626

276.7561, 0.2798,
0.3078

■ 5.0453, 0.1980,
0.2474

330.9297, 0.2817,

■ 2.2739, 0.1697,

0.3090

0.2239

391.7482, 0.2834,
0.3101

0.7598, 0.1148,
0.1852

0.0000, 0.0000,
0.0000

69.7284, 0.2614,
0.2951

69.7284, 0.2614,
0.2951

62.3490, 0.2465,
0.2828

77.9278, 0.2769,
0.3065

55.7454, 0.2326,
0.2698

86.9721, 0.2926,
0.3170

49.8811, 0.2201,
0.2562

96.8953, 0.3082,
0.3264

44.7124, 0.2093,
0.2423

99.9987, 0.3127,
0.3290

■ 40.1893, 0.2005,
0.2284

■ 36.2520, 0.1939,
0.2147

■ 33.7652, 0.1903,
0.2052

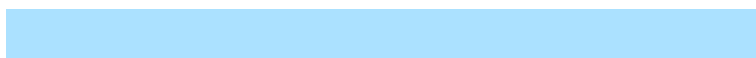
Harmonies

Analogous

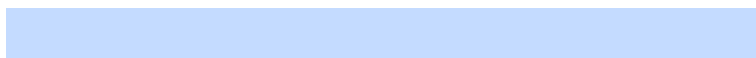
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.7284, 0.2634, 0.3160



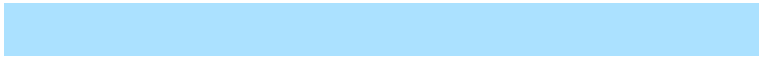
69.7284, 0.2614, 0.2951



69.7284, 0.2723, 0.2843

Triad

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



69.7284, 0.2614, 0.2951



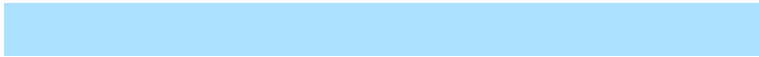
69.7284, 0.3479, 0.3154



69.7284, 0.3298, 0.3775

Complementary

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



69.7284, 0.2614, 0.2951



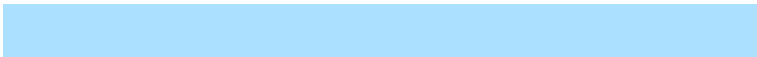
65.9535, 0.3796, 0.3604

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.



69.7284, 0.3536, 0.3750



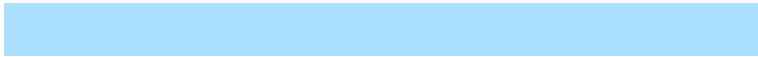
69.7284, 0.2614, 0.2951



69.7284, 0.3646, 0.3383

Square

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



69.7284, 0.2614, 0.2951



69.7284, 0.3217, 0.2963



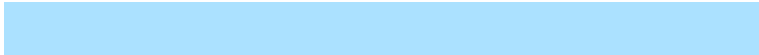
69.7284, 0.3667, 0.3601



69.7284, 0.3021, 0.3654

Rectangle

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



69.7284, 0.2614, 0.2951



69.7284, 0.2858, 0.2835



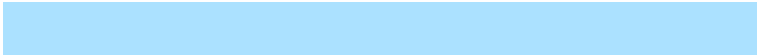
69.7284, 0.3667, 0.3601



69.7284, 0.3385, 0.3782

Sweetspot

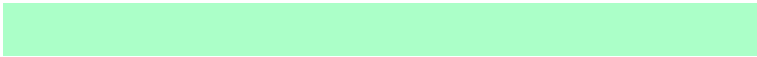
The Sweet Spot groups the original color and five complimentary colors.



69.7311, 0.2614, 0.2951



89.8111, 0.2972, 0.3198



84.3530, 0.2928, 0.3920



18.9322, 0.2950, 0.3185



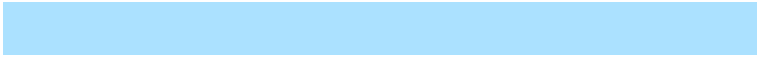
0.0000, 0.0000, 0.0000



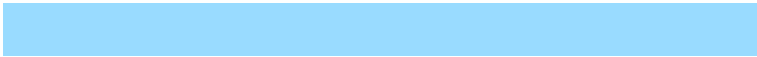
21.4041, 0.3127, 0.3290

Same Dimension

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



69.7311, 0.2614, 0.2951



64.4469, 0.2508, 0.2865



49.9876, 0.2552, 0.2458



19.3268, 0.2980, 0.3203



17.9386, 0.1910, 0.2074



1.9532, 0.1952, 0.2229

Inverse Universe

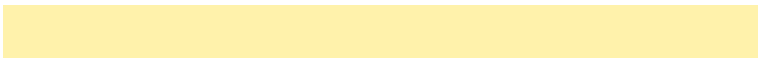
The Inverse Universe completely reimagines the original color for something new.



55.8165, 0.3409, 0.2742



49.1359, 0.3490, 0.2624



87.9284, 0.3663, 0.4003



18.1838, 0.3193, 0.3138



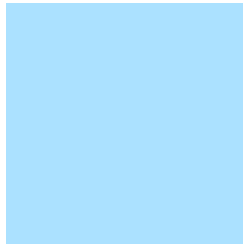
12.5389, 0.4370, 0.2181



1.2417, 0.4202, 0.2088

Previews

White Background



This preview shows how the Yxy color 69.7284, 0.2614, 0.2951 looks on a white background.

Color Contrast Check

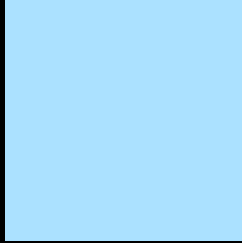
Large Text (above 18pt) WCAG AA × Fail

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 69.7284, 0.2614, 0.2951 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 69.7284, 0.2614, 0.2951

Background



This preview shows how black text looks on a background with the Yxy color 69.7284, 0.2614, 0.2951.



This preview shows how white text looks on a background with the Yxy color 69.7284, 0.2614, 0.2951.

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

69.7284, 0.2614, 0.2951

Protanopia

69.2271, 0.2887, 0.2934

Deuteranopia

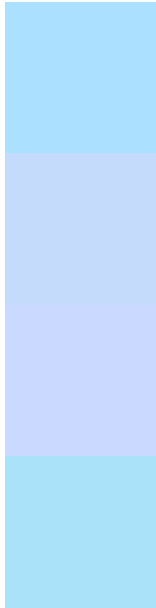
69.2124, 0.2890, 0.2837



Tritanopia

69.9658, 0.2657, 0.3082

Trichromacy



Original Color

69.7284, 0.2614, 0.2951

Protanomaly

69.3638, 0.2775, 0.2938

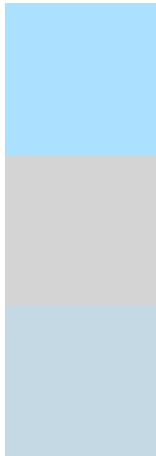
Deuteranomaly

69.2632, 0.2782, 0.2878

Tritanomaly

69.7783, 0.2641, 0.3027

Monochromacy



Original Color

69.7284, 0.2614, 0.2951

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

67.0975, 0.2917, 0.3165

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.7284, 0.2614, 0.2951 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(171, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(171, 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(171, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 225, 255) }
```

Border

The CSS property to change the border of an element to Yxy 69.7284, 0.2614, 0.2951 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(171, 225, 255) }
```

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

```
.border{ border-color:rgb(171, 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(171, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(171, 225,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 69.7284, 0.2614, 0.2951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 225, 255) }
```

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

```
.background{ background-color: rgb(171,  
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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