

Converting Colors

$Yxy(72.7296, 0.2494, 0.2719)$

Have a look what the booklet for
Yxy(72.7296, 0.2494, 0.2719)
contains.

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Color

Yxy(70.8161, 0.2617, 0.2974)

Conversions

Conversions Part 1

Format	Color
Hex	ABE3FF
RGB	171, 227, 255
RGB Percent	67%, 89%, 100%
CMY	0.3293, 0.1098, 0.0000
CMYK	0.33, 0.11, 0.00, 0.00
HSL	200°, 100%, 84%
HSV	200°, 33%, 100%
XYZ	62.3153, 70.8161, 104.9859
YIQ	213.4480, -42.3640, -3.1640

Conversions

Conversions Part 2

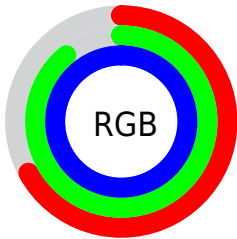
Format	Color
RYB	171, 205, 255
Decimal	11265023
CIELab	87.40, -11.30, -19.32
CIELCh	87, 22.382, 239.662
Yxy	70.8161, 0.2617, 0.2974
Android (android.graphics.Color)	4289455103 (0xFFABE3FF)
YUV	213.4480, 20.4851, -37.2269
Hunter-Lab	84.1523, -15.0862, -15.0619

Details

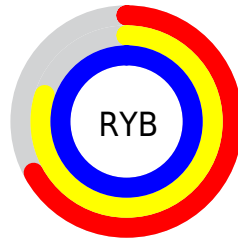
The Yxy color **70.8161, 0.2617, 0.2974** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **65.0523, 0.3802, 0.3584**, and the grayscale version is **66.7403, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **37.2953, 0.2504, 0.2905** is the 20% darker color. If you saturate the color by 10%, you get **63.6902, 0.2471, 0.2860**, and if you desaturate by 10%, it is **78.7295, 0.2770, 0.3080**.

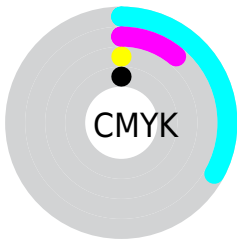
Distribution



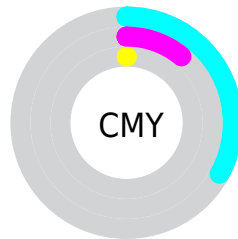
- Red (67%)
- Green (89%)
- Blue (100%)



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



- Cyan (33%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (33%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.8161, 0.2617, 0.2974 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 70.8161, 0.2617, 0.2974 by changing the saturation by 10% instead.

■ 70.8161, 0.2617,
0.2974

■ 70.8161, 0.2617,
0.2974

463.4103, 0.2850,
0.3123

■ 52.1921, 0.2565,
0.2939

■ 120.3718, 0.2697,
0.3026

■ 37.1582, 0.2501,
0.2896

152.0724, 0.2728,
0.3047

■ 25.3300, 0.2421,
0.2841

188.9006, 0.2755,
0.3064

■ 16.3231, 0.2319,
0.2769

231.2409, 0.2779,
0.3079

■ 9.7531, 0.2182,
0.2670

279.4776, 0.2800,
0.3092

■ 5.2356, 0.1992,
0.2527

333.9951, 0.2818,

■ 2.3861, 0.1715,

0.3104

0.2306

395.1779, 0.2835,
0.3114

0.8187, 0.1193,
0.1945

0.0000, 0.0000,
0.0000

70.8161, 0.2617,
0.2974

70.8161, 0.2617,
0.2974

63.6902, 0.2471,
0.2860

78.7295, 0.2770,
0.3080

57.3082, 0.2334,
0.2739

87.4546, 0.2926,
0.3178

51.6345, 0.2212,
0.2613

97.0246, 0.3082,
0.3266

46.6262, 0.2108,
0.2484

99.9996, 0.3127,
0.3290

■ 42.2343, 0.2024,
0.2354

■ 38.3997, 0.1961,
0.2227

■ 35.9666, 0.1927,
0.2138

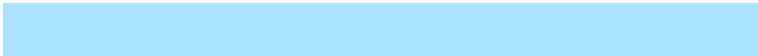
Harmonies

Analogous

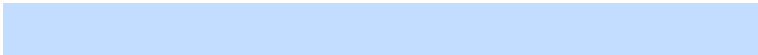
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.8161, 0.2651, 0.3189



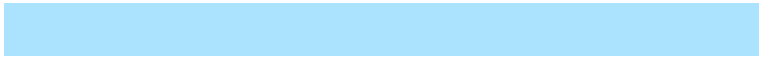
70.8161, 0.2617, 0.2974



70.8161, 0.2712, 0.2855

Triad

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



70.8161, 0.2617, 0.2974



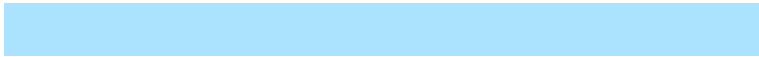
70.8161, 0.3449, 0.3133



70.8161, 0.3324, 0.3772

Complementary

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



70.8161, 0.2617, 0.2974



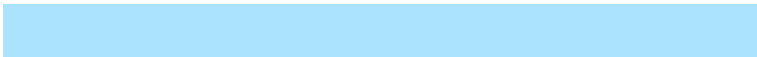
65.0523, 0.3802, 0.3584

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.



70.8161, 0.3551, 0.3732



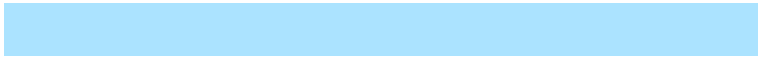
70.8161, 0.2617, 0.2974



70.8161, 0.3627, 0.3357

Square

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



70.8161, 0.2617, 0.2974



70.8161, 0.3185, 0.2951



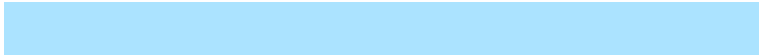
70.8161, 0.3664, 0.3576



70.8161, 0.3052, 0.3667

Rectangle

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



70.8161, 0.2617, 0.2974



70.8161, 0.2838, 0.2839



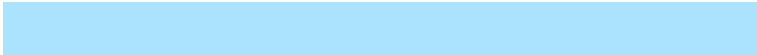
70.8161, 0.3664, 0.3576



70.8161, 0.3408, 0.3774

Sweetspot

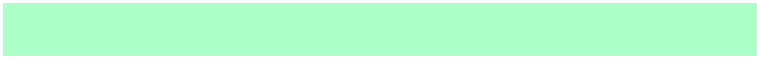
The Sweet Spot groups the original color and five complimentary colors.



70.8189, 0.2617, 0.2974



90.1764, 0.2972, 0.3204



84.3003, 0.2935, 0.3936



19.0207, 0.2950, 0.3192



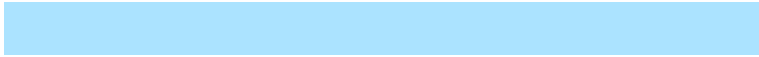
0.0000, 0.0000, 0.0000



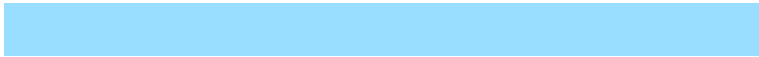
21.4041, 0.3127, 0.3290

Same Dimension

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



70.8189, 0.2617, 0.2974



65.7047, 0.2513, 0.2894



50.5842, 0.2554, 0.2475



19.4013, 0.2980, 0.3209



19.0803, 0.1933, 0.2159



2.0589, 0.1973, 0.2303

Inverse Universe

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



55.9383, 0.3392, 0.2723



49.2629, 0.3468, 0.2601



87.1095, 0.3667, 0.3991



18.1914, 0.3189, 0.3133



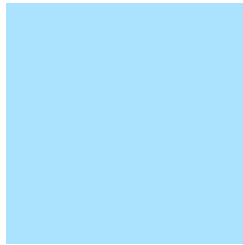
12.6541, 0.4277, 0.2130



1.2524, 0.4123, 0.2045

Previews

White Background



This preview shows how the Yxy color 70.8161, 0.2617, 0.2974 looks on a white background.

Color Contrast Check

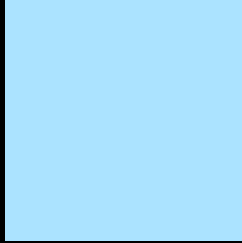
Large Text (above 18pt) WCAG AA × Fail

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 70.8161, 0.2617, 0.2974 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 70.8161, 0.2617, 0.2974

Background



This preview shows how black text looks on a background with the Yxy color 70.8161, 0.2617, 0.2974.

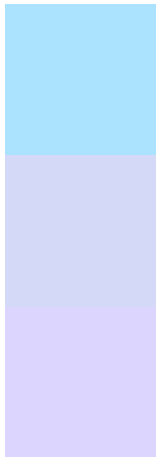


This preview shows how white text looks on a background with the Yxy color 70.8161, 0.2617, 0.2974.

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

70.8161, 0.2617, 0.2974

Protanopia

70.5492, 0.2901, 0.2958

Deuteranopia

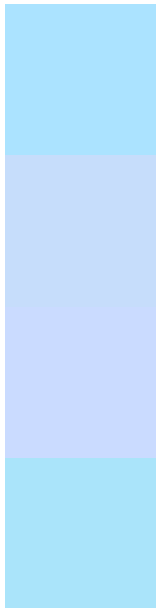
70.5288, 0.2904, 0.2860



Tritanopia

70.6372, 0.2648, 0.3072

Trichromacy



Original Color

70.8161, 0.2617, 0.2974

Protanomaly

70.6837, 0.2789, 0.2962

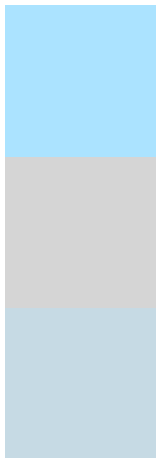
Deuteranomaly

70.4396, 0.2790, 0.2901

Tritanomaly

70.9350, 0.2638, 0.3039

Monochromacy



Original Color

70.8161, 0.2617, 0.2974

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

67.7500, 0.2924, 0.3176

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.8161, 0.2617, 0.2974 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, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(171, 227, 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, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 227, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.8161, 0.2617, 0.2974 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, 227, 255) }
```

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

```
.border{ border-color:rgb(171, 227, 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, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(171, 227,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 70.8161, 0.2617, 0.2974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 227, 255) }
```

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

```
.background{ background-color: rgb(171,  
227, 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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