

Converting Colors

$Y_{xy}(71.9165, 0.2620, 0.2997)$

Have a look what the booklet for
Yxy(71.9165, 0.2620, 0.2997)
contains.

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Color

Yxy(71.9165, 0.2620, 0.2997)

Conversions

Conversions Part 1

Format	Color
Hex	ABE5FF
RGB	171, 229, 255
RGB Percent	67%, 90%, 100%
CMY	0.3292, 0.1020, 0.0000
CMYK	0.33, 0.10, 0.00, 0.00
HSL	199°, 100%, 84%
HSV	199°, 33%, 100%
XYZ	62.8699, 71.9165, 105.1752
YIQ	214.6220, -42.9140, -4.2100

Conversions

Conversions Part 2

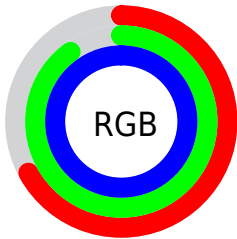
Format	Color
R _Y B	171, 205, 255
Decimal	11265535
CIE Lab	87.93, -12.32, -18.52
CIE LCh	88, 22.239, 236.369
Yxy	71.9165, 0.2620, 0.2997
Android (android.graphics.Color)	4289455615 (0xFFABE5FF)
YUV	214.6220, 19.9064, -38.2565
Hunter-Lab	84.8036, -16.0736, -14.1702

Details

The Yxy color **71.9165, 0.2620, 0.2997** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.1548, 0.3809, 0.3563**, and the grayscale version is **67.5777, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **38.0623, 0.2509, 0.2936** is the 20% darker color. If you saturate the color by 10%, you get **65.0541, 0.2476, 0.2891**, and if you desaturate by 10%, it is **79.5357, 0.2771, 0.3095**.

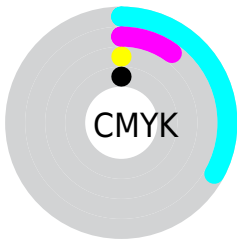
Distribution



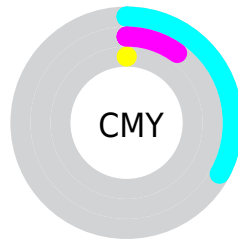
- Red (67%)
- Green (90%)
- Blue (100%)



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



- Cyan (33%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (33%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.9165, 0.2620, 0.2997 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 71.9165, 0.2620, 0.2997 by changing the saturation by 10% instead.

71.9165, 0.2620,
0.2997

71.9165, 0.2620,
0.2997

467.2509, 0.2851,
0.3136

53.0905, 0.2568,
0.2965

121.9378, 0.2699,
0.3046

37.8750, 0.2505,
0.2925

153.9019, 0.2730,
0.3064

25.8857, 0.2427,
0.2873

191.0141, 0.2757,
0.3081

16.7381, 0.2325,
0.2806

233.6588, 0.2780,
0.3095

10.0480, 0.2191,
0.2714

282.2205, 0.2801,
0.3107

5.4308, 0.2004,
0.2580

337.0834, 0.2819,

2.5022, 0.1732,

0.3118

0.2373

398.6321, 0.2836,
0.3127

0.8777, 0.1236,
0.2033

0.0000, 0.0000,
0.0000

71.9165, 0.2620,
0.2997

71.9165, 0.2620,
0.2997

65.0541, 0.2476,
0.2891

79.5357, 0.2771,
0.3095

58.9056, 0.2343,
0.2780

87.9353, 0.2926,
0.3186

53.4362, 0.2224,
0.2663

97.1477, 0.3082,
0.3268

48.6035, 0.2124,
0.2544

100.0000, 0.3127,
0.3290

■ 44.3592, 0.2043,
0.2425

■ 40.6452, 0.1983,
0.2307

■ 38.2792, 0.1951,
0.2224

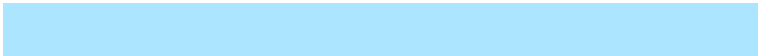
Harmonies

Analogous

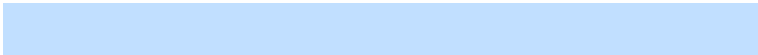
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.9165, 0.2668, 0.3217



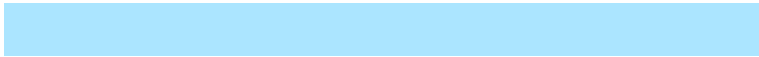
71.9165, 0.2620, 0.2997



71.9165, 0.2700, 0.2868

Triad

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



71.9165, 0.2620, 0.2997



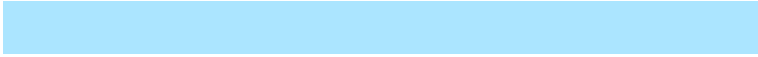
71.9165, 0.3419, 0.3112



71.9165, 0.3350, 0.3769

Complementary

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



71.9165, 0.2620, 0.2997



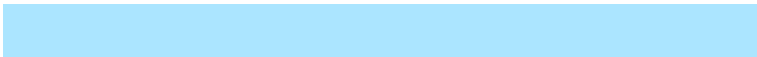
64.1548, 0.3809, 0.3563

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.



71.9165, 0.3564, 0.3715



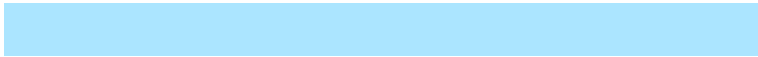
71.9165, 0.2620, 0.2997



71.9165, 0.3608, 0.3332

Square

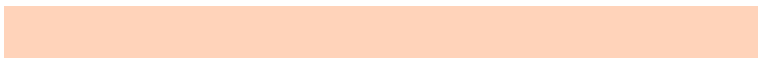
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.9165, 0.2620, 0.2997



71.9165, 0.3154, 0.2939



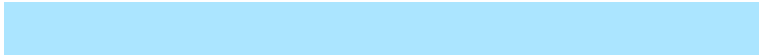
71.9165, 0.3661, 0.3551



71.9165, 0.3082, 0.3681

Rectangle

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



71.9165, 0.2620, 0.2997



71.9165, 0.2818, 0.2843



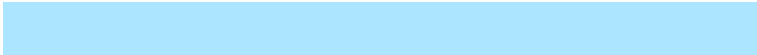
71.9165, 0.3661, 0.3551



71.9165, 0.3431, 0.3766

Sweetspot

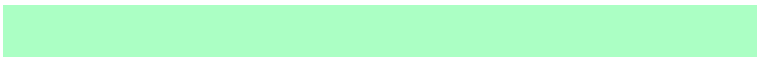
The Sweet Spot groups the original color and five complimentary colors.



71.9193, 0.2620, 0.2997



90.5444, 0.2972, 0.3210



84.1786, 0.2950, 0.3970



19.1100, 0.2950, 0.3199



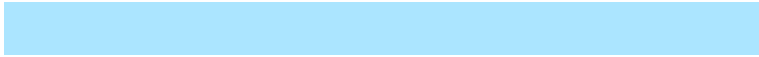
0.0000, 0.0000, 0.0000



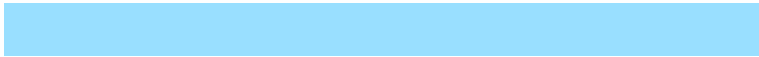
21.4041, 0.3127, 0.3290

Same Dimension

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



71.9193, 0.2620, 0.2997



66.9863, 0.2517, 0.2923



51.7778, 0.2558, 0.2509



19.4763, 0.2980, 0.3215



20.2795, 0.1957, 0.2244



2.1691, 0.1994, 0.2377

Inverse Universe

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



56.0585, 0.3375, 0.2705



49.3923, 0.3446, 0.2579



85.4723, 0.3675, 0.3965



18.1989, 0.3186, 0.3127



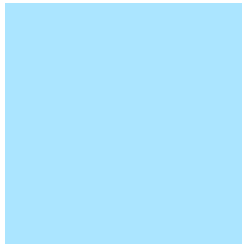
12.7752, 0.4186, 0.2079



1.2635, 0.4046, 0.2003

Previews

White Background



This preview shows how the Yxy color 71.9165, 0.2620, 0.2997 looks on a white background.

Color Contrast Check

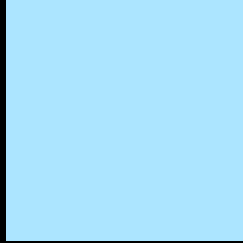
Large Text (above 18pt) WCAG AA × Fail

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 71.9165, 0.2620, 0.2997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

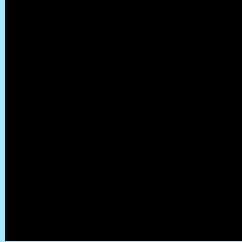
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.9165, 0.2620, 0.2997

Background



This preview shows how black text looks on a background with the Yxy color 71.9165, 0.2620, 0.2997.

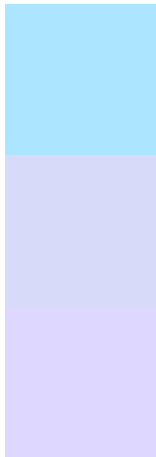


This preview shows how white text looks on a background with the Yxy color 71.9165, 0.2620, 0.2997.

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

71.9165, 0.2620, 0.2997

Protanopia

71.3672, 0.2915, 0.2970

Deuteranopia

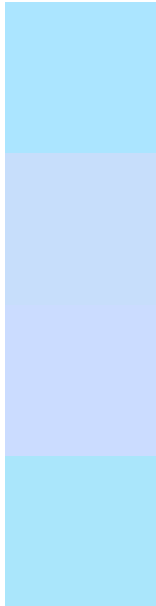
71.3505, 0.2918, 0.2873



Tritanopia

71.9792, 0.2646, 0.3073

Trichromacy



Original Color

71.9165, 0.2620, 0.2997

Protanomaly

71.3497, 0.2796, 0.2974

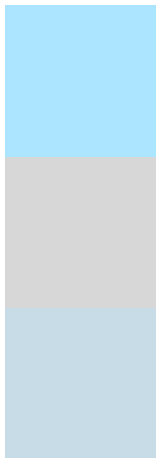
Deuteranomaly

71.1029, 0.2797, 0.2913

Tritanomaly

72.1047, 0.2636, 0.3051

Monochromacy



Original Color

71.9165, 0.2620, 0.2997

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

69.0417, 0.2919, 0.3177

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.9165, 0.2620, 0.2997 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, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(171, 229, 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, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 229, 255) }
```

Border

The CSS property to change the border of an element to Yxy 71.9165, 0.2620, 0.2997 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, 229, 255) }
```

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

```
.border{ border-color:rgb(171, 229, 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, 229, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(171, 229,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 71.9165, 0.2620, 0.2997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 229, 255) }
```

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

```
.background{ background-color: rgb(171,  
229, 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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