

Converting Colors

$Yxy(71.4295, 0.2658, 0.2972)$

Have a look what the booklet for
Yxy(71.4295, 0.2658, 0.2972)
contains.

Yxy(71.7419, 0.2661, 0.2978)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(71.7419, 0.2661, 0.2978)

Conversions

Conversions Part 1

Format	Color
Hex	B3E3FF
RGB	179, 227, 255
RGB Percent	70%, 89%, 100%
CMY	0.2981, 0.1098, 0.0001
CMYK	0.30, 0.11, 0.00, 0.00
HSL	202°, 100%, 85%
HSV	202°, 30%, 100%
XYZ	64.1052, 71.7419, 105.0592
YIQ	215.8400, -37.5960, -1.4680

Conversions

Conversions Part 2

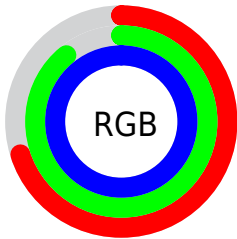
Format	Color
R_{YB}	179, 208, 255
Decimal	11789311
CIE _{Lab}	87.84, -9.12, -18.59
CIE _{LCh}	88, 20.705, 243.869
Yxy	71.7419, 0.2661, 0.2978
Android (android.graphics.Color)	4289979391 (0xFFB3E3FF)
YUV	215.8400, 19.3059, -32.3087
Hunter-Lab	84.7006, -13.1293, -14.2505

Details

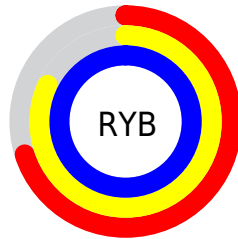
The Yxy color **71.7419, 0.2661, 0.2978** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **69.1198, 0.3714, 0.3581**, and the grayscale version is **68.4404, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **37.8674, 0.2556, 0.2910** is the 20% darker color. If you saturate the color by 10%, you get **63.9867, 0.2509, 0.2854**, and if you desaturate by 10%, it is **80.3444, 0.2818, 0.3093**.

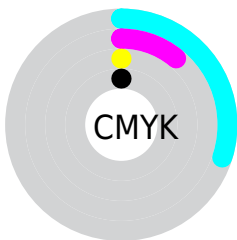
Distribution



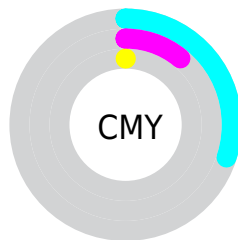
- Red (70%)
- Green (89%)
- Blue (100%)



- Red (70%)
- Yellow (82%)
- Blue (100%)



- Cyan (30%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (30%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.7419, 0.2661, 0.2978 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 71.7419, 0.2661, 0.2978 by changing the saturation by 10% instead.

■ 71.7419, 0.2661,
0.2978

■ 71.7419, 0.2661,
0.2978

466.6428, 0.2874,
0.3125

■ 52.9479, 0.2613,
0.2944

■ 121.6895, 0.2734,
0.3029

■ 37.7612, 0.2555,
0.2902

153.6119, 0.2763,
0.3049

■ 25.7974, 0.2482,
0.2849

190.6791, 0.2787,
0.3066

■ 16.6721, 0.2388,
0.2779

233.2757, 0.2809,
0.3081

■ 10.0010, 0.2262,
0.2684

281.7859, 0.2828,
0.3094

■ 5.3996, 0.2088,
0.2548

336.5943, 0.2845,

■ 2.4836, 0.1830,

0.3105

0.2337

398.0851, 0.2860,
0.3115

0.8684, 0.1380,
0.1989

0.0000, 0.0000,
0.0000

71.7419, 0.2661,
0.2978

71.7419, 0.2661,
0.2978

63.9867, 0.2509,
0.2854

80.3444, 0.2818,
0.3093

57.0349, 0.2365,
0.2721

89.8187, 0.2975,
0.3197

50.8508, 0.2233,
0.2582

99.9988, 0.3127,
0.3290

45.3918, 0.2118,
0.2439

■ 40.6097, 0.2022,
0.2295

■ 36.4479, 0.1948,
0.2153

■ 32.8187, 0.1893,
0.2014

■ 32.7500, 0.1892,
0.2011

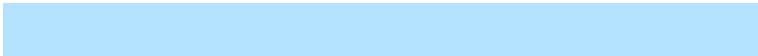
Harmonies

Analogous

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



71.7419, 0.2676, 0.3166



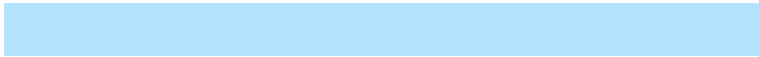
71.7419, 0.2661, 0.2978



71.7419, 0.2765, 0.2882

Triad

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



71.7419, 0.2661, 0.2978



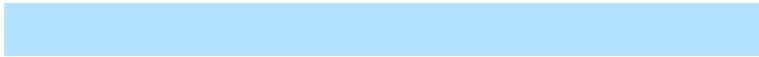
71.7419, 0.3453, 0.3173



71.7419, 0.3275, 0.3727

Complementary

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



71.7419, 0.2661, 0.2978



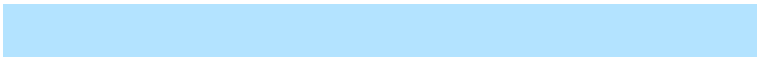
69.1198, 0.3714, 0.3581

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.



71.7419, 0.3493, 0.3710



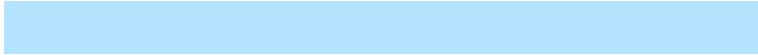
71.7419, 0.2661, 0.2978



71.7419, 0.3601, 0.3383

Square

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



71.7419, 0.2661, 0.2978



71.7419, 0.3217, 0.2996



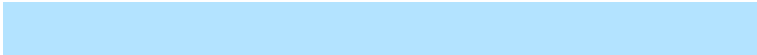
71.7419, 0.3615, 0.3580



71.7419, 0.3024, 0.3613

Rectangle

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



71.7419, 0.2661, 0.2978



71.7419, 0.2890, 0.2876



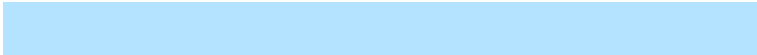
71.7419, 0.3615, 0.3580



71.7419, 0.3355, 0.3736

Sweetspot

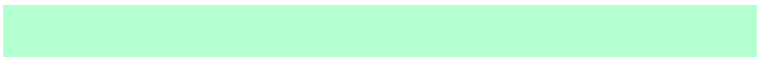
The Sweet Spot groups the original color and five complimentary colors.



71.7448, 0.2661, 0.2978



90.6319, 0.2987, 0.3205



85.5887, 0.2939, 0.3835



19.0897, 0.2965, 0.3191



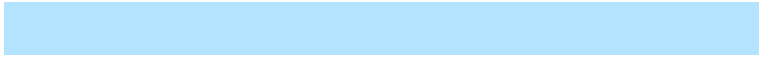
0.0000, 0.0000, 0.0000



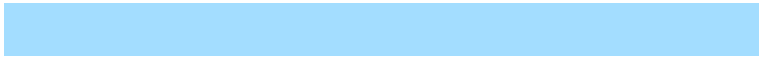
21.4041, 0.3127, 0.3290

Same Dimension

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



71.7448, 0.2661, 0.2978



66.8500, 0.2566, 0.2902



53.2508, 0.2611, 0.2535



19.2913, 0.2979, 0.3200



17.4105, 0.1898, 0.2034



1.9040, 0.1943, 0.2193

Inverse Universe

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



59.0406, 0.3382, 0.2804



52.7570, 0.3452, 0.2700



89.7244, 0.3606, 0.3947



18.1803, 0.3195, 0.3141



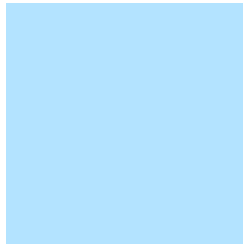
12.4856, 0.4415, 0.2206



1.2368, 0.4240, 0.2109

Previews

White Background



This preview shows how the Yxy color 71.7419, 0.2661, 0.2978 looks on a white background.

Color Contrast Check

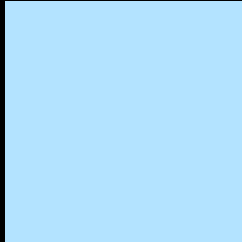
Large Text (above 18pt) WCAG AA × Fail

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 71.7419, 0.2661, 0.2978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

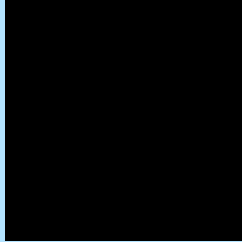
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.7419, 0.2661, 0.2978

Background



This preview shows how black text looks on a background with the Yxy color 71.7419, 0.2661, 0.2978.



This preview shows how white text looks on a background with the Yxy color 71.7419, 0.2661, 0.2978.

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

71.7419, 0.2661, 0.2978

Protanopia

71.4294, 0.2909, 0.2960

Deuteranopia

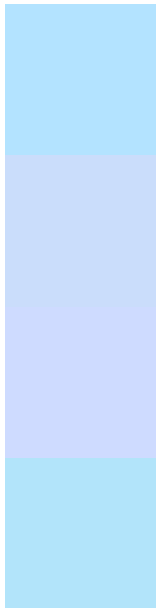
71.3505, 0.2918, 0.2873



Tritanopia

71.5493, 0.2693, 0.3075

Trichromacy



Original Color

71.7419, 0.2661, 0.2978

Protanomaly

71.2345, 0.2814, 0.2964

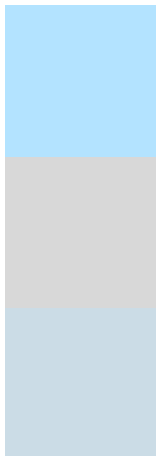
Deuteranomaly

71.0048, 0.2815, 0.2904

Tritanomaly

71.8539, 0.2683, 0.3042

Monochromacy



Original Color

71.7419, 0.2661, 0.2978

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

69.5961, 0.2945, 0.3178

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.7419, 0.2661, 0.2978 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(179, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(179, 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(179, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 227, 255) }
```

Border

The CSS property to change the border of an element to Yxy 71.7419, 0.2661, 0.2978 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(179, 227, 255) }
```

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

```
.border{ border-color:rgb(179, 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(179, 227, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(179, 227,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 71.7419, 0.2661, 0.2978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 227, 255) }
```

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

```
.background{ background-color: rgb(179,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor