

Converting Colors

$Yxy(70.7386, 0.2669, 0.2953)$

Have a look what the booklet for
Yxy(70.7386, 0.2669, 0.2953)
contains.

Yxy(70.8942, 0.2670, 0.2956)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.8942, 0.2670, 0.2956)

Conversions

Conversions Part 1

Format	Color
Hex	B5E1FF
RGB	181, 225, 255
RGB Percent	71%, 88%, 100%
CMY	0.2900, 0.1177, 0.0001
CMYK	0.29, 0.12, 0.00, 0.00
HSL	204°, 100%, 85%
HSV	204°, 29%, 100%
XYZ	64.0350, 70.8942, 104.9023
YIQ	215.2640, -35.8540, 0.0020

Conversions

Conversions Part 2

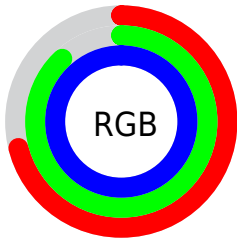
Format	Color
R_{YB}	181, 209, 255
Decimal	11919871
CIE _{Lab}	87.43, -7.51, -19.20
CIE _{LCh}	87, 20.615, 248.638
Y _{xy}	70.8942, 0.2670, 0.2956
Android (android.graphics.Color)	4290109951 (0xFFB5E1FF)
YUV	215.2640, 19.5898, -30.0495
Hunter-Lab	84.1987, -11.5944, -14.9297

Details

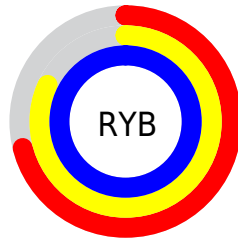
The Yxy color **70.8942, 0.2670, 0.2956** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **71.1948, 0.3686, 0.3601**, and the grayscale version is **68.0317, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9171, 0.3023, 0.3290**, and **37.2623, 0.2565, 0.2882** is the 20% darker color. If you saturate the color by 10%, you get **62.6684, 0.2514, 0.2819**, and if you desaturate by 10%, it is **80.0283, 0.2829, 0.3082**.

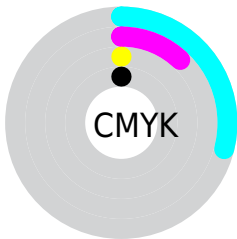
Distribution



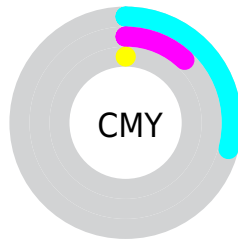
- Red (71%)
- Green (88%)
- Blue (100%)



- Red (71%)
- Yellow (82%)
- Blue (100%)



- Cyan (29%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (29%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.8942, 0.2670, 0.2956 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 70.8942, 0.2670, 0.2956 by changing the saturation by 10% instead.

■ 70.8942, 0.2670,
0.2956

■ 70.8942, 0.2670,
0.2956

■ 463.6835, 0.2879,
0.3112

■ 52.2559, 0.2623,
0.2920

■ 120.4831, 0.2742,
0.3011

■ 37.2091, 0.2565,
0.2875

■ 152.2024, 0.2770,
0.3032

■ 25.3694, 0.2493,
0.2819

■ 189.0508, 0.2794,
0.3050

■ 16.3525, 0.2400,
0.2745

■ 231.4128, 0.2816,
0.3066

■ 9.7739, 0.2275,
0.2644

■ 279.6726, 0.2834,
0.3079

■ 5.2493, 0.2102,
0.2500

■ 334.2147, 0.2851,

■ 2.3943, 0.1844,

0.3092

0.2279

395.4236, 0.2866,
0.3103

0.8229, 0.1392,
0.1912

0.0000, 0.0000,
0.0000

70.8942, 0.2670,
0.2956

70.8942, 0.2670,
0.2956

62.6684, 0.2514,
0.2819

80.0283, 0.2829,
0.3082

55.3057, 0.2365,
0.2673

90.0964, 0.2987,
0.3197

48.7691, 0.2226,
0.2519

99.9990, 0.3127,
0.3290

43.0147, 0.2104,
0.2360

■ 37.9932, 0.2001,
0.2201

■ 33.6469, 0.1920,
0.2043

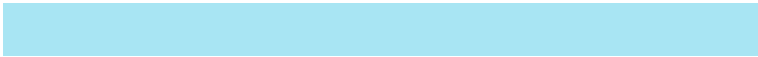
■ 29.8940, 0.1860,
0.1891

■ 29.5418, 0.1854,
0.1876

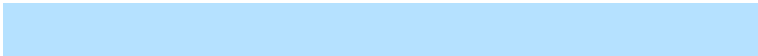
Harmonies

Analogous

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



70.8942, 0.2666, 0.3132



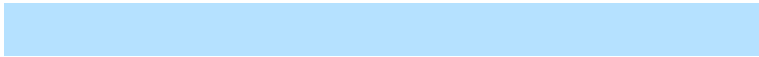
70.8942, 0.2670, 0.2956



70.8942, 0.2791, 0.2876

Triad

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



70.8942, 0.2670, 0.2956



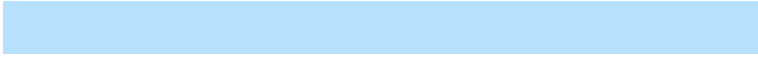
70.8942, 0.3484, 0.3205



70.8942, 0.3236, 0.3717

Complementary

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



70.8942, 0.2670, 0.2956



71.1948, 0.3686, 0.3601

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.



70.8942, 0.3464, 0.3721



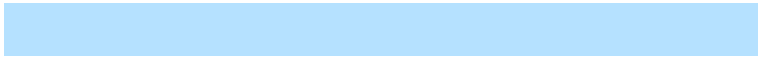
70.8942, 0.2670, 0.2956



70.8942, 0.3612, 0.3417

Square

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



70.8942, 0.2670, 0.2956



70.8942, 0.3258, 0.3020



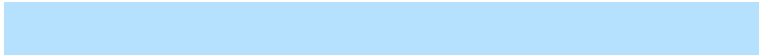
70.8942, 0.3604, 0.3606



70.8942, 0.2985, 0.3584

Rectangle

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



70.8942, 0.2670, 0.2956



70.8942, 0.2925, 0.2882



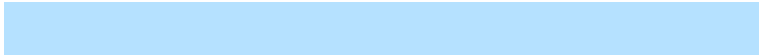
70.8942, 0.3604, 0.3606



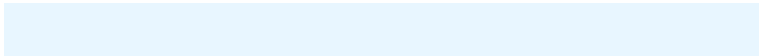
70.8942, 0.3318, 0.3733

Sweetspot

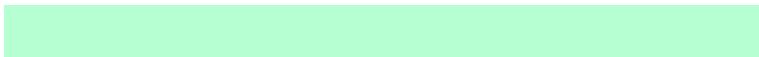
The Sweet Spot groups the original color and five complimentary colors.



70.8970, 0.2670, 0.2956



90.1095, 0.2987, 0.3197



86.0223, 0.2930, 0.3789



18.9608, 0.2964, 0.3181



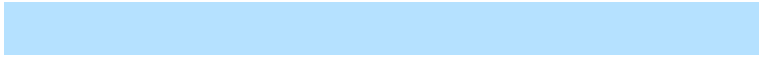
0.0000, 0.0000, 0.0000



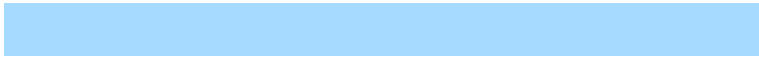
21.4041, 0.3127, 0.3290

Same Dimension

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



70.8970, 0.2670, 0.2956



65.8634, 0.2576, 0.2875



53.1987, 0.2624, 0.2529



19.1735, 0.2979, 0.3191



15.7391, 0.1861, 0.1901



1.7471, 0.1910, 0.2075

Inverse Universe

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



59.7562, 0.3396, 0.2844



53.5460, 0.3470, 0.2749



91.4776, 0.3586, 0.3951



18.1684, 0.3201, 0.3150



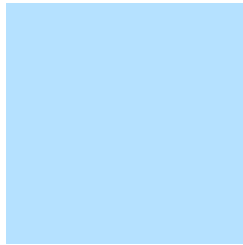
12.3168, 0.4567, 0.2289



1.2209, 0.4369, 0.2181

Previews

White Background



This preview shows how the Yxy color 70.8942, 0.2670, 0.2956 looks on a white background.

Color Contrast Check

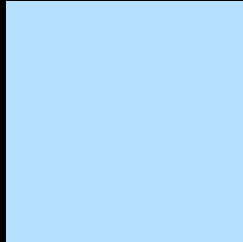
Large Text (above 18pt) WCAG AA × Fail

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 70.8942, 0.2670, 0.2956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

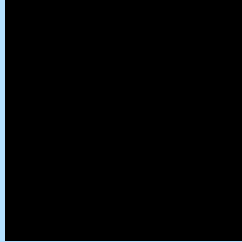
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

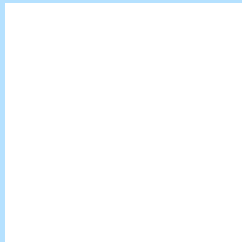
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.8942, 0.2670, 0.2956

Background



This preview shows how black text looks on a background with the Yxy color 70.8942, 0.2670, 0.2956.

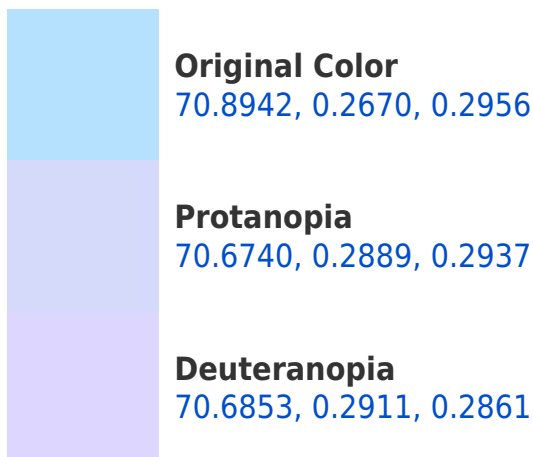


This preview shows how white text looks on a background with the Yxy color 70.8942, 0.2670, 0.2956.

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





Tritanopia

71.1144, 0.2714, 0.3086

Trichromacy



Original Color

70.8942, 0.2670, 0.2956

Protanomaly

70.6322, 0.2801, 0.2942

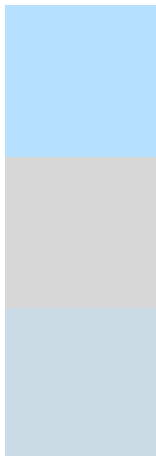
Deuteranomaly

70.4846, 0.2814, 0.2893

Tritanomaly

70.9356, 0.2697, 0.3031

Monochromacy



Original Color

70.8942, 0.2670, 0.2956

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

69.0727, 0.2945, 0.3167

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.8942, 0.2670, 0.2956 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(181, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(181, 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(181, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 225, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.8942, 0.2670, 0.2956 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(181, 225, 255) }
```

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

```
.border{ border-color:rgb(181, 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(181, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(181, 225,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 70.8942, 0.2670, 0.2956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 225, 255) }
```

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

```
.background{ background-color: rgb(181,  
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](#).

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