

Converting Colors

$Y_{xy}(72.0278, 0.2693, 0.2975)$

Have a look what the booklet for
Yxy(72.0278, 0.2693, 0.2975)
contains.

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Color

Yxy(71.9270, 0.2694, 0.2969)

Conversions

Conversions Part 1

Format	Color
Hex	B9E2FF
RGB	185, 226, 255
RGB Percent	73%, 89%, 100%
CMY	0.2743, 0.1138, 0.0000
CMYK	0.27, 0.11, 0.00, 0.00
HSL	205°, 100%, 86%
HSV	205°, 27%, 100%
XYZ	65.2648, 71.9270, 105.0682
YIQ	217.0470, -33.7450, 0.3270

Conversions

Conversions Part 2

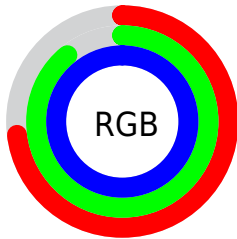
Format	Color
RYB	185, 211, 255
Decimal	12182271
CIELab	87.93, -6.88, -18.44
CIELCh	88, 19.681, 249.552
Yxy	71.9270, 0.2694, 0.2969
Android (android.graphics.Color)	4290372351 (0xFFB9E2FF)
YUV	217.0470, 18.7108, -28.1052
Hunter-Lab	84.8098, -11.0536, -14.0857

Details

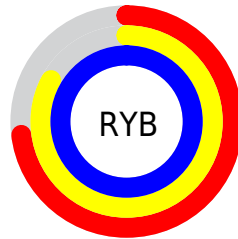
The Yxy color **71.9270, 0.2694, 0.2969** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **72.8876, 0.3648, 0.3590**, and the grayscale version is **69.3150, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6172, 0.3047, 0.3290**, and **37.9489, 0.2595, 0.2900** is the 20% darker color. If you saturate the color by 10%, you get **63.4605, 0.2536, 0.2831**, and if you desaturate by 10%, it is **81.3200, 0.2854, 0.3097**.

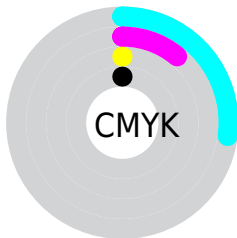
Distribution



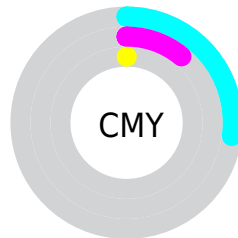
- Red (73%)
- Green (89%)
- Blue (100%)



- Red (73%)
- Yellow (83%)
- Blue (100%)



- Cyan (27%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.9270, 0.2694, 0.2969 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 71.9270, 0.2694, 0.2969 by changing the saturation by 10% instead.

■ 71.9270, 0.2694,
0.2969

■ 71.9270, 0.2694,
0.2969

467.2875, 0.2892,
0.3119

■ 53.0990, 0.2650,
0.2935

■ 121.9527, 0.2762,
0.3021

■ 37.8818, 0.2595,
0.2892

153.9193, 0.2789,
0.3041

■ 25.8910, 0.2527,
0.2838

191.0342, 0.2812,
0.3059

■ 16.7421, 0.2439,
0.2768

233.6818, 0.2832,
0.3074

■ 10.0508, 0.2321,
0.2672

282.2466, 0.2849,
0.3087

■ 5.4326, 0.2157,
0.2535

337.1128, 0.2865,

■ 2.5033, 0.1913,

0.3099

0.2326

398.6650, 0.2879,
0.3109

0.8783, 0.1501,
0.1977

0.0000, 0.0000,
0.0000

71.9270, 0.2694,
0.2969

71.9270, 0.2694,
0.2969

63.4605, 0.2536,
0.2831

81.3200, 0.2854,
0.3097

55.8793, 0.2385,
0.2682

91.6693, 0.3012,
0.3212

49.1450, 0.2243,
0.2526

100.0000, 0.3127,
0.3290

43.2142, 0.2117,
0.2364

■ 38.0380, 0.2009,
0.2200

■ 33.5598, 0.1923,
0.2038

■ 29.7079, 0.1860,
0.1882

■ 28.7943, 0.1845,
0.1843

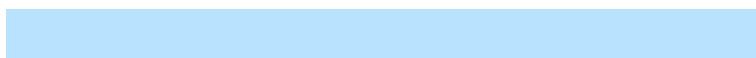
Harmonies

Analogous

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



71.9270, 0.2686, 0.3134



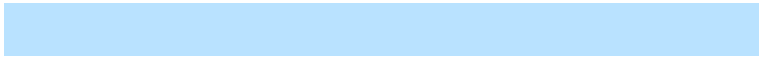
71.9270, 0.2694, 0.2969



71.9270, 0.2813, 0.2895

Triad

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



71.9270, 0.2694, 0.2969



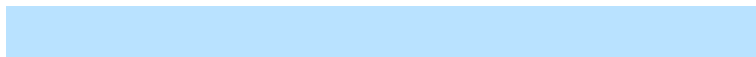
71.9270, 0.3471, 0.3216



71.9270, 0.3224, 0.3693

Complementary

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



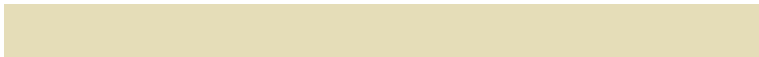
71.9270, 0.2694, 0.2969



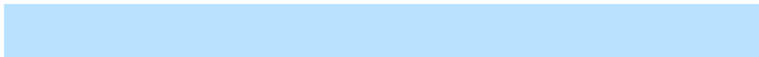
72.8876, 0.3648, 0.3590

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.



71.9270, 0.3442, 0.3701



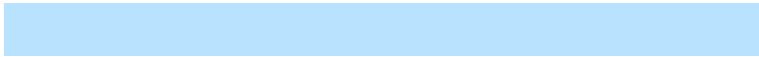
71.9270, 0.2694, 0.2969



71.9270, 0.3589, 0.3417

Square

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



71.9270, 0.2694, 0.2969



71.9270, 0.3259, 0.3038



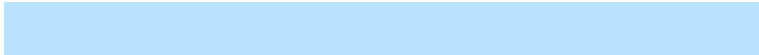
71.9270, 0.3578, 0.3596



71.9270, 0.2986, 0.3564

Rectangle

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



71.9270, 0.2694, 0.2969



71.9270, 0.2942, 0.2903



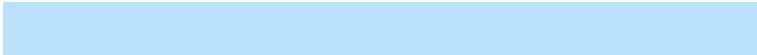
71.9270, 0.3578, 0.3596



71.9270, 0.3302, 0.3710

Sweetspot

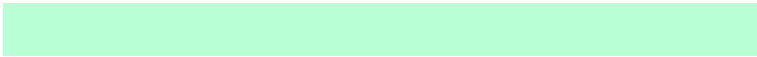
The Sweet Spot groups the original color and five complimentary colors.



71.9285, 0.2694, 0.2969



91.0547, 0.3003, 0.3206



86.6461, 0.2940, 0.3758



19.1446, 0.2979, 0.3189



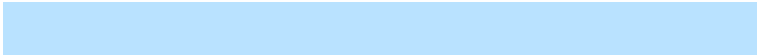
0.0000, 0.0000, 0.0000



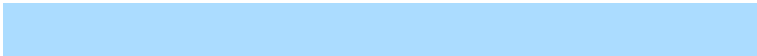
21.4041, 0.3127, 0.3290

Same Dimension

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



71.9285, 0.2694, 0.2969



67.1014, 0.2606, 0.2893



55.2594, 0.2655, 0.2577



19.1446, 0.2979, 0.3189



15.3472, 0.1852, 0.1868



1.7100, 0.1902, 0.2046

Inverse Universe

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



61.4693, 0.3383, 0.2875



55.5019, 0.3451, 0.2788



91.9027, 0.3560, 0.3915



18.1655, 0.3202, 0.3152



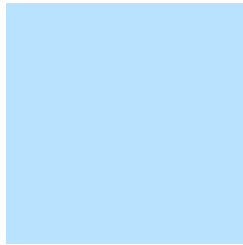
12.2773, 0.4605, 0.2310



1.2172, 0.4401, 0.2198

Previews

White Background



This preview shows how the Yxy color 71.9270, 0.2694, 0.2969 looks on a white background.

Color Contrast Check

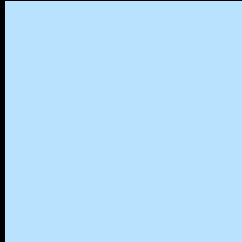
Large Text (above 18pt) WCAG AA × Fail

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 71.9270, 0.2694, 0.2969 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

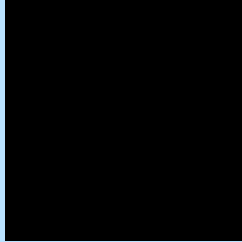
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

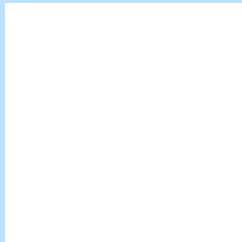
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.9270, 0.2694, 0.2969

Background



This preview shows how black text looks on a background with the Yxy color 71.9270, 0.2694, 0.2969.

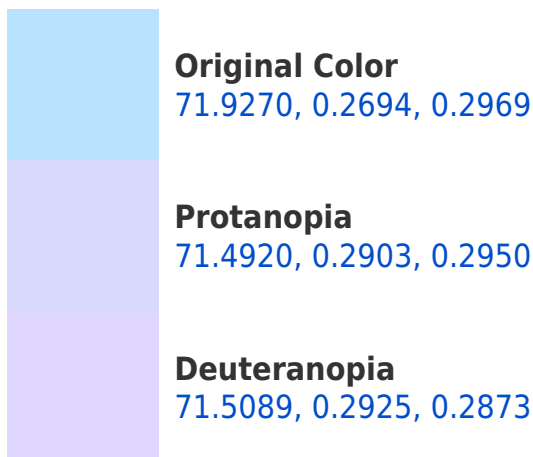


This preview shows how white text looks on a background with the Yxy color 71.9270, 0.2694, 0.2969.

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

72.2079, 0.2733, 0.3087

Trichromacy



Original Color

71.9270, 0.2694, 0.2969

Protanomaly

71.5785, 0.2821, 0.2955

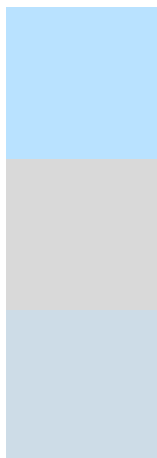
Deuteranomaly

71.4383, 0.2834, 0.2906

Tritanomaly

71.9681, 0.2721, 0.3044

Monochromacy



Original Color

71.9270, 0.2694, 0.2969

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

69.9351, 0.2953, 0.3167

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.9270, 0.2694, 0.2969 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(185, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(185, 226, 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(185, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 226, 255) }
```

Border

The CSS property to change the border of an element to Yxy 71.9270, 0.2694, 0.2969 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(185, 226, 255) }
```

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

```
.border{ border-color:rgb(185, 226, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(185, 226, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 226, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 226, 255);  
box-shadow:4px 4px 4px 4px rgb(185, 226,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 71.9270, 0.2694, 0.2969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 226, 255) }
```

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

```
.background{ background-color: rgb(185,  
226, 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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