

Converting Colors

$Yxy(78.1578, 0.2343, 0.2269)$

Have a look what the booklet for
Yxy(78.1578, 0.2343, 0.2269)
contains.

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Color

Yxy(72.0518, 0.2700, 0.2970)

Conversions

Conversions Part 1

Format	Color
Hex	BAE2FF
RGB	186, 226, 255
RGB Percent	73%, 89%, 100%
CMY	0.2704, 0.1137, 0.0001
CMYK	0.27, 0.11, 0.00, 0.00
HSL	205°, 100%, 86%
HSV	205°, 27%, 100%
XYZ	65.5016, 72.0518, 105.0452
YIQ	217.3460, -33.1490, 0.5390

Conversions

Conversions Part 2

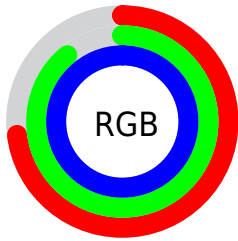
Format	Color
R _Y B	186, 211, 255
Decimal	12247807
CIE Lab	87.99, -6.60, -18.32
CIE LCh	88, 19.476, 250.186
Yxy	72.0518, 0.2700, 0.2970
Android (android.graphics.Color)	4290437887 (0xFFBAE2FF)
YUV	217.3460, 18.5634, -27.4904
Hunter-Lab	84.8833, -10.8033, -13.9545

Details

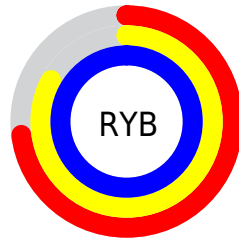
The Yxy color **72.0518, 0.2700, 0.2970** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **73.4215, 0.3638, 0.3589**, and the grayscale version is **69.5317, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7947, 0.3054, 0.3290**, and **38.0283, 0.2602, 0.2900** is the 20% darker color. If you saturate the color by 10%, you get **63.4902, 0.2542, 0.2830**, and if you desaturate by 10%, it is **81.5536, 0.2860, 0.3099**.

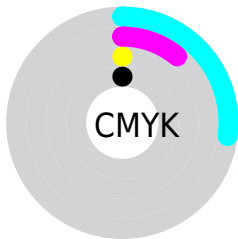
Distribution



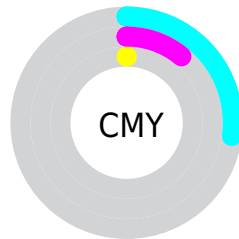
- Red (73%)
- Green (89%)
- Blue (100%)



- 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 72.0518, 0.2700, 0.2970 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 72.0518, 0.2700, 0.2970 by changing the saturation by 10% instead.

■ 72.0518, 0.2700,
0.2970

■ 72.0518, 0.2700,
0.2970

467.7219, 0.2895,
0.3119

■ 53.2010, 0.2656,
0.2936

■ 122.1302, 0.2767,
0.3022

■ 37.9632, 0.2602,
0.2893

154.1265, 0.2793,
0.3042

■ 25.9542, 0.2535,
0.2840

191.2735, 0.2816,
0.3059

■ 16.7894, 0.2448,
0.2770

233.9555, 0.2836,
0.3075

■ 10.0844, 0.2332,
0.2675

282.5570, 0.2853,
0.3088

■ 5.4550, 0.2170,
0.2539

337.4623, 0.2869,

■ 2.5166, 0.1929,

0.3099

0.2331

399.0558, 0.2883,
0.3110

0.8849, 0.1525,
0.1984

0.0000, 0.0000,
0.0000

72.0518, 0.2700,
0.2970

72.0518, 0.2700,
0.2970

63.4902, 0.2542,
0.2830

81.5536, 0.2860,
0.3099

55.8233, 0.2389,
0.2679

92.0215, 0.3018,
0.3215

49.0141, 0.2246,
0.2521

99.9987, 0.3127,
0.3290

43.0188, 0.2118,
0.2357

■ 37.7885, 0.2009,
0.2191

■ 33.2668, 0.1921,
0.2027

■ 29.3835, 0.1856,
0.1868

■ 28.3253, 0.1840,
0.1822

Harmonies

Analogous

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



72.0518, 0.2690, 0.3132



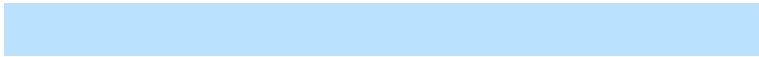
72.0518, 0.2700, 0.2970



72.0518, 0.2820, 0.2899

Triad

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



72.0518, 0.2700, 0.2970



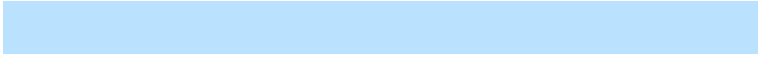
72.0518, 0.3471, 0.3221



72.0518, 0.3218, 0.3687

Complementary

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



72.0518, 0.2700, 0.2970



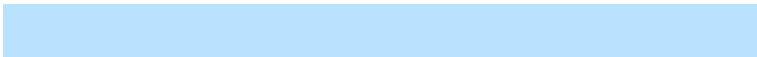
73.4215, 0.3638, 0.3589

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.



72.0518, 0.3434, 0.3698



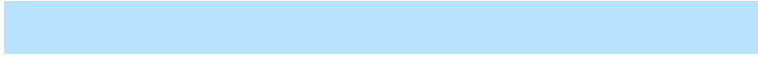
72.0518, 0.2700, 0.2970



72.0518, 0.3585, 0.3420

Square

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



72.0518, 0.2700, 0.2970



72.0518, 0.3262, 0.3044



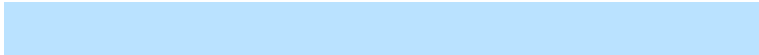
72.0518, 0.3571, 0.3596



72.0518, 0.2983, 0.3557

Rectangle

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



72.0518, 0.2700, 0.2970



72.0518, 0.2949, 0.2908



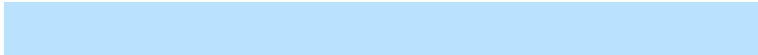
72.0518, 0.3571, 0.3596



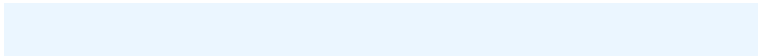
72.0518, 0.3295, 0.3704

Sweetspot

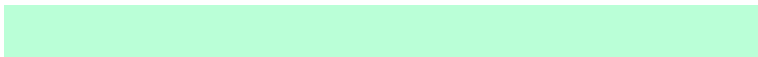
The Sweet Spot groups the original color and five complimentary colors.



72.0547, 0.2700, 0.2970



90.9828, 0.3003, 0.3205



86.8474, 0.2937, 0.3737



19.1265, 0.2979, 0.3188



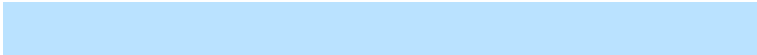
0.0000, 0.0000, 0.0000



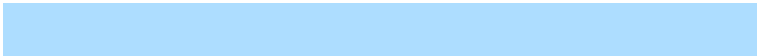
21.4041, 0.3127, 0.3290

Same Dimension

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



72.0547, 0.2700, 0.2970



67.6986, 0.2621, 0.2902



55.2726, 0.2661, 0.2575



19.1265, 0.2979, 0.3188



15.1051, 0.1847, 0.1848



1.6870, 0.1897, 0.2027

Inverse Universe

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



61.8856, 0.3382, 0.2885



56.5047, 0.3443, 0.2808



92.7011, 0.3551, 0.3916



18.1636, 0.3203, 0.3153



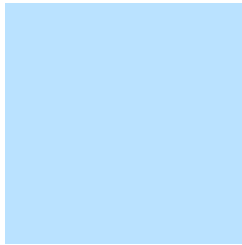
12.2528, 0.4629, 0.2324



1.2148, 0.4422, 0.2210

Previews

White Background



This preview shows how the Yxy color 72.0518, 0.2700, 0.2970 looks on a white background.

Color Contrast Check

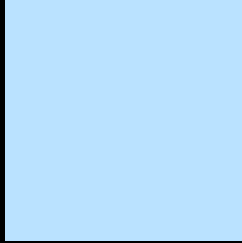
Large Text (above 18pt) WCAG AA × Fail

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 72.0518, 0.2700, 0.2970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

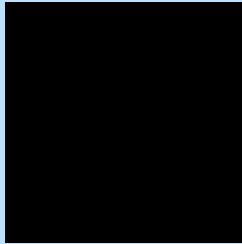
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

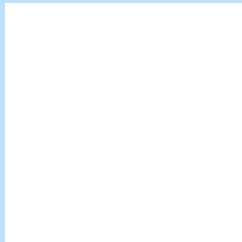
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.0518, 0.2700, 0.2970

Background



This preview shows how black text looks on a background with the Yxy color 72.0518, 0.2700, 0.2970.



This preview shows how white text looks on a background with the Yxy color 72.0518, 0.2700, 0.2970.

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

72.0518, 0.2700, 0.2970

Protanopia

71.4920, 0.2903, 0.2950

Deuteranopia

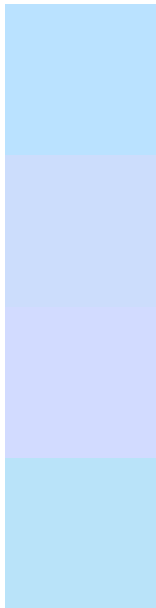
71.5089, 0.2925, 0.2873



Tritanopia

72.3310, 0.2738, 0.3088

Trichromacy



Original Color

72.0518, 0.2700, 0.2970

Protanomaly

71.5785, 0.2821, 0.2955

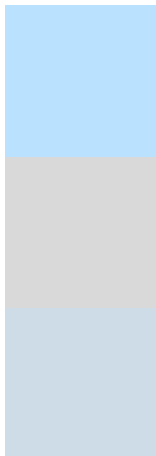
Deuteranomaly

71.5847, 0.2841, 0.2907

Tritanomaly

72.0920, 0.2727, 0.3044

Monochromacy



Original Color

72.0518, 0.2700, 0.2970

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

70.0777, 0.2959, 0.3168

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.0518, 0.2700, 0.2970 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(186, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(186, 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(186, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 226, 255) }
```

Border

The CSS property to change the border of an element to Yxy 72.0518, 0.2700, 0.2970 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(186, 226, 255) }
```

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

```
.border{ border-color:rgb(186, 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(186, 226, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 226, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 226, 255);  
box-shadow:4px 4px 4px 4px rgb(186, 226,  
255) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 72.0518, 0.2700, 0.2970$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 226, 255) }
```

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

```
.background{ background-color: rgb(186,  
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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