

Converting Colors

$Yxy(72.8167, 0.2716, 0.2980)$

Have a look what the booklet for
Yxy(72.8167, 0.2716, 0.2980)
contains.

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Color

Yxy(72.9770, 0.2718, 0.2983)

Conversions

Conversions Part 1

Format	Color
Hex	BDE3FF
RGB	189, 227, 255
RGB Percent	74%, 89%, 100%
CMY	0.2590, 0.1097, 0.0001
CMYK	0.26, 0.11, 0.00, 0.00
HSL	205°, 100%, 87%
HSV	205°, 26%, 100%
XYZ	66.4940, 72.9770, 105.1720
YIQ	218.8300, -31.6360, 0.6520

Conversions

Conversions Part 2

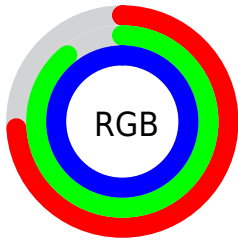
Format	Color
R_{YB}	189, 213, 255
Decimal	12444671
CIE _{Lab}	88.44, -6.29, -17.64
CIE _{LCh}	88, 18.727, 250.364
Yxy	72.9770, 0.2718, 0.2983
Android (android.graphics.Color)	4290634751 (0xFFBDE3FF)
YUV	218.8300, 17.8318, -26.1609
Hunter-Lab	85.4266, -10.5565, -13.1956

Details

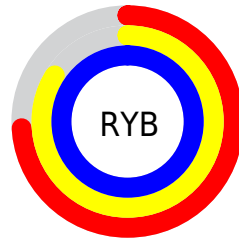
The Yxy color **72.9770, 0.2718, 0.2983** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **74.5124, 0.3611, 0.3578**, and the grayscale version is **70.6008, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3328, 0.3072, 0.3290**, and **38.6506, 0.2625, 0.2917** is the 20% darker color. If you saturate the color by 10%, you get **64.2777, 0.2559, 0.2843**, and if you desaturate by 10%, it is **82.6258, 0.2878, 0.3111**.

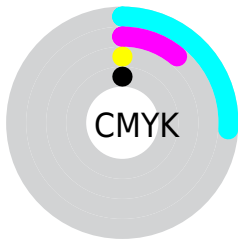
Distribution



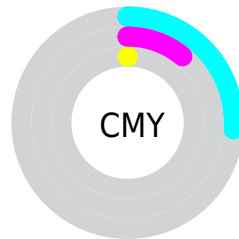
- Red (74%)
- Green (89%)
- Blue (100%)



- Red (74%)
- Yellow (84%)
- Blue (100%)



- Cyan (26%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (26%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.9770, 0.2718, 0.2983 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 72.9770, 0.2718, 0.2983 by changing the saturation by 10% instead.

■ 72.9770, 0.2718,
0.2983

■ 72.9770, 0.2718,
0.2983

■ 470.9351, 0.2905,
0.3126

■ 53.9572, 0.2676,
0.2950

■ 123.4446, 0.2782,
0.3033

■ 38.5674, 0.2625,
0.2910

■ 155.6611, 0.2807,
0.3052

■ 26.4234, 0.2560,
0.2859

■ 193.0452, 0.2829,
0.3069

■ 17.1406, 0.2478,
0.2792

■ 235.9815, 0.2848,
0.3083

■ 10.3348, 0.2367,
0.2702

■ 284.8542, 0.2865,
0.3096

■ 5.6215, 0.2212,
0.2573

■ 340.0478, 0.2879,

■ 2.6163, 0.1982,

0.3107

0.2375

401.9466, 0.2893,
0.3117

0.9349, 0.1605,
0.2043

0.0000, 0.0000,
0.0000

72.9770, 0.2718,
0.2983

72.9770, 0.2718,
0.2983

64.2777, 0.2559,
0.2843

82.6258, 0.2878,
0.3111

56.4825, 0.2405,
0.2693

93.2497, 0.3036,
0.3227

49.5545, 0.2261,
0.2533

99.9988, 0.3127,
0.3290

43.4504, 0.2130,
0.2369

■ 38.1218, 0.2018,
0.2201

■ 33.5130, 0.1927,
0.2036

■ 29.5568, 0.1860,
0.1875

■ 28.0837, 0.1836,
0.1811

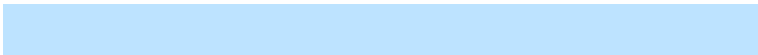
Harmonies

Analogous

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



72.9770, 0.2708, 0.3138



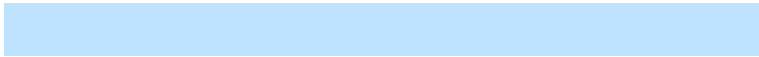
72.9770, 0.2718, 0.2983



72.9770, 0.2833, 0.2915

Triad

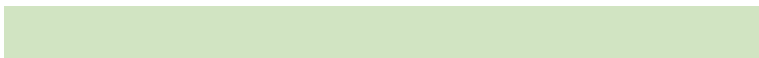
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.9770, 0.2718, 0.2983



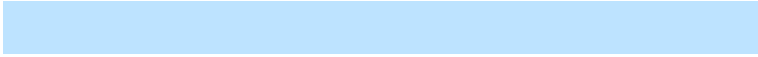
72.9770, 0.3457, 0.3225



72.9770, 0.3213, 0.3669

Complementary

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



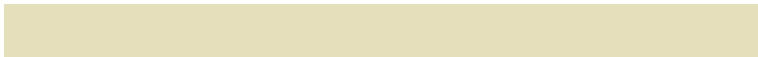
72.9770, 0.2718, 0.2983



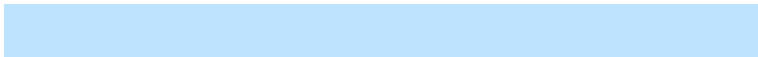
74.5124, 0.3611, 0.3578

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.



72.9770, 0.3420, 0.3681



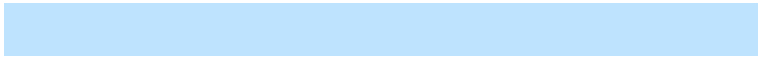
72.9770, 0.2718, 0.2983



72.9770, 0.3566, 0.3416

Square

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



72.9770, 0.2718, 0.2983



72.9770, 0.3258, 0.3055



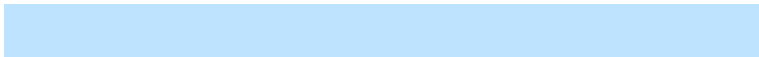
72.9770, 0.3551, 0.3584



72.9770, 0.2988, 0.3544

Rectangle

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



72.9770, 0.2718, 0.2983



72.9770, 0.2958, 0.2923



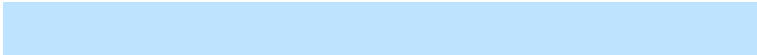
72.9770, 0.3551, 0.3584



72.9770, 0.3287, 0.3686

Sweetspot

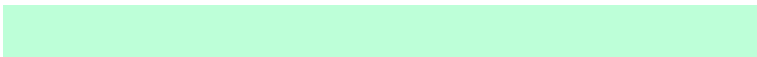
The Sweet Spot groups the original color and five complimentary colors.



72.9799, 0.2718, 0.2983



90.9450, 0.3003, 0.3204



87.3031, 0.2944, 0.3715



19.1170, 0.2979, 0.3187



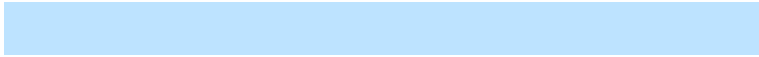
0.0000, 0.0000, 0.0000



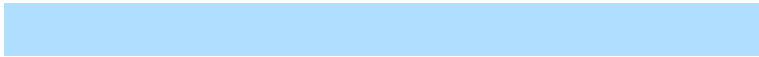
21.4041, 0.3127, 0.3290

Same Dimension

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



72.9799, 0.2718, 0.2983



68.4326, 0.2637, 0.2913



56.8195, 0.2683, 0.2610



19.1170, 0.2979, 0.3187



14.9789, 0.1844, 0.1837



1.6750, 0.1894, 0.2018

Inverse Universe

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



63.1795, 0.3370, 0.2905



57.5393, 0.3432, 0.2826



92.9765, 0.3533, 0.3890



18.1627, 0.3203, 0.3154



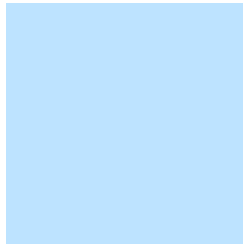
12.2401, 0.4642, 0.2331



1.2136, 0.4433, 0.2216

Previews

White Background



This preview shows how the Yxy color 72.9770, 0.2718, 0.2983 looks on a white background.

Color Contrast Check

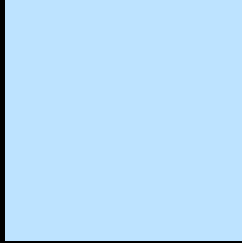
Large Text (above 18pt) WCAG AA × Fail

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 72.9770, 0.2718, 0.2983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

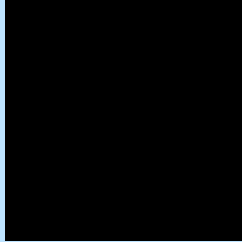
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

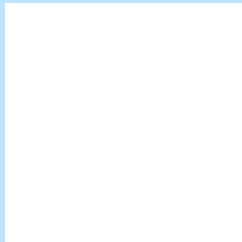
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.9770, 0.2718, 0.2983

Background



This preview shows how black text looks on a background with the Yxy color 72.9770, 0.2718, 0.2983.



This preview shows how white text looks on a background with the Yxy color 72.9770, 0.2718, 0.2983.

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

72.9770, 0.2718, 0.2983

Protanopia

72.8402, 0.2916, 0.2973

Deuteranopia

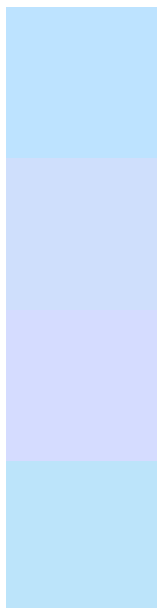
72.5005, 0.2945, 0.2886



Tritanopia

72.7670, 0.2751, 0.3078

Trichromacy



Original Color

72.9770, 0.2718, 0.2983

Protanomaly

73.0690, 0.2841, 0.2979

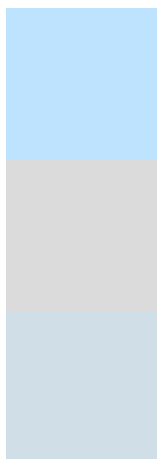
Deuteranomaly

72.5525, 0.2860, 0.2920

Tritanomaly

73.0803, 0.2740, 0.3046

Monochromacy



Original Color

72.9770, 0.2718, 0.2983

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

71.4786, 0.2967, 0.3180

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.9770, 0.2718, 0.2983 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(189, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(189, 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(189, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 227, 255) }
```

Border

The CSS property to change the border of an element to Yxy 72.9770, 0.2718, 0.2983 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(189, 227, 255) }
```

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

```
.border{ border-color:rgb(189, 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(189, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 227, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 227, 255); box-shadow:4px 4px 4px 4px rgb(189, 227, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 72.9770, 0.2718, 0.2983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 227, 255) }
```

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

```
.background{ background-color: rgb(189,  
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](#).

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