

# Converting Colors

$Y_{xy}(72.4781, 0.2710, 0.2975)$

Have a look what the booklet for  
Yxy(72.4781, 0.2710, 0.2975)  
contains.

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# Color

**Yxy(72.3041, 0.2711, 0.2971)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BCE2FF
RGB	188, 226, 255
RGB Percent	74%, 89%, 100%
CMY	0.2629, 0.1137, 0.0000
CMYK	0.26, 0.11, 0.00, 0.00
HSL	206°, 100%, 87%
HSV	206°, 26%, 100%
XYZ	65.9766, 72.3041, 105.0855
YIQ	217.9440, -31.9570, 0.9630

# Conversions

## Conversions Part 2

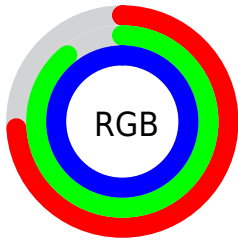
Format	Color
R <sub>Y</sub> B	188, 212, 255
Decimal	12378879
CIE Lab	88.11, -6.06, -18.14
CIE LCh	88, 19.124, 251.528
Yxy	72.3041, 0.2711, 0.2971
Android (android.graphics.Color)	4290568959 (0xFFBCE2FF)
YUV	217.9440, 18.2686, -26.2609
Hunter-Lab	85.0318, -10.3067, -13.7505

# Details

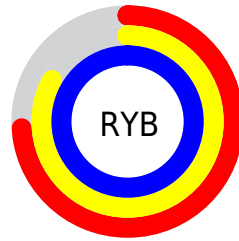
The Yxy color  $72.3041, 0.2711, 0.2971$  is a light color, and the websafe version is hex  $99CCFF$ . A complement of this color would be  $74.4837, 0.3619, 0.3588$ , and the grayscale version is  $69.9551, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $98.1525, 0.3066, 0.3290$ , and  $38.1896, 0.2616, 0.2902$  is the 20% darker color. If you saturate the color by 10%, you get  $63.5458, 0.2551, 0.2828$ , and if you desaturate by 10%, it is  $82.0258, 0.2872, 0.3103$ .

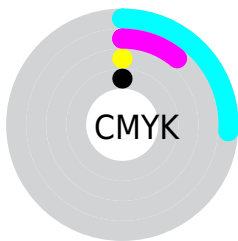
# Distribution



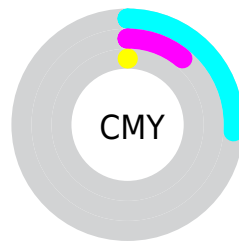
- Red (74%)
- Green (89%)
- Blue (100%)



- Red (74%)
- Yellow (83%)
- 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 72.3041, 0.2711, 0.2971 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 72.3041, 0.2711, 0.2971 by changing the saturation by 10% instead.



72.3041, 0.2711,  
0.2971

72.3041, 0.2711,  
0.2971

468.5994, 0.2901,  
0.3120

53.4071, 0.2668,  
0.2937

122.4888, 0.2776,  
0.3023

38.1279, 0.2616,  
0.2895

154.5453, 0.2802,  
0.3043

26.0820, 0.2550,  
0.2842

191.7571, 0.2824,  
0.3060

16.8850, 0.2466,  
0.2772

234.5086, 0.2843,  
0.3075

10.1525, 0.2352,  
0.2678

283.1842, 0.2860,  
0.3088

5.5002, 0.2194,  
0.2544

338.1682, 0.2875,

2.5436, 0.1959,

0.3100

0.2338

399.8452, 0.2889,  
0.3110

0.8984, 0.1568,  
0.1995

0.0000, 0.0000,  
0.0000

72.3041, 0.2711,  
0.2971

72.3041, 0.2711,  
0.2971

63.5458, 0.2551,  
0.2828

82.0258, 0.2872,  
0.3103

55.7049, 0.2397,  
0.2673

92.7371, 0.3030,  
0.3222

48.7441, 0.2252,  
0.2510

100.0000, 0.3127,  
0.3290

42.6192, 0.2120,  
0.2342

■ 37.2812, 0.2008,  
0.2171

■ 32.6736, 0.1917,  
0.2002

■ 28.7276, 0.1849,  
0.1839

■ 27.3973, 0.1828,  
0.1780

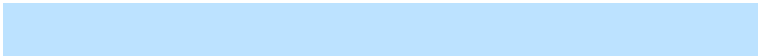
# Harmonies

## Analogous

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



72.3041, 0.2696, 0.3126



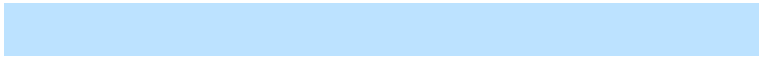
72.3041, 0.2711, 0.2971



72.3041, 0.2833, 0.2906

# Triad

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



72.3041, 0.2711, 0.2971



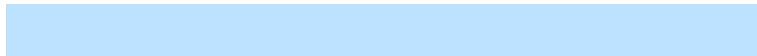
72.3041, 0.3472, 0.3231



72.3041, 0.3206, 0.3676

# Complementary

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



72.3041, 0.2711, 0.2971



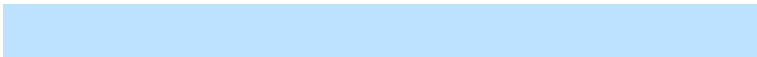
74.4837, 0.3619, 0.3588

# 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.



72.3041, 0.3420, 0.3692



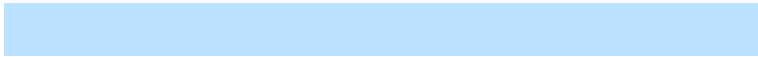
72.3041, 0.2711, 0.2971



72.3041, 0.3579, 0.3427

# Square

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



72.3041, 0.2711, 0.2971



72.3041, 0.3270, 0.3055



72.3041, 0.3559, 0.3597

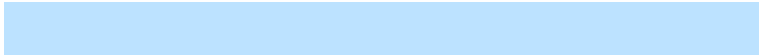


72.3041, 0.2976, 0.3544



# Rectangle

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



72.3041, 0.2711, 0.2971



72.3041, 0.2962, 0.2917



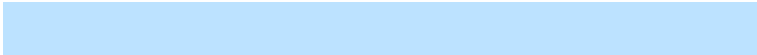
72.3041, 0.3559, 0.3597



72.3041, 0.3282, 0.3695

# Sweetspot

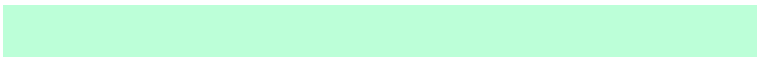
The Sweet Spot groups the original color and five complimentary colors.



72.3070, 0.2711, 0.2971



90.8357, 0.3003, 0.3202



87.1580, 0.2942, 0.3723



19.0894, 0.2979, 0.3185



0.0000, 0.0000, 0.0000

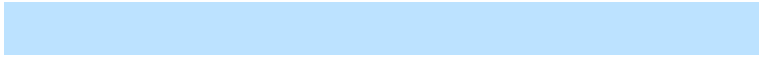


21.4041, 0.3127, 0.3290

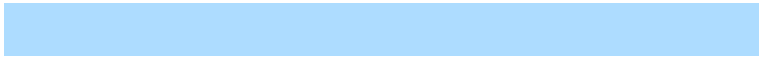


# Same Dimension

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



72.3070, 0.2711, 0.2971



67.1910, 0.2620, 0.2891



56.2861, 0.2675, 0.2598



19.0894, 0.2979, 0.3185



14.6183, 0.1835, 0.1806



1.6406, 0.1886, 0.1990



# Inverse Universe

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



62.6994, 0.3379, 0.2905



56.4534, 0.3451, 0.2818



92.8959, 0.3539, 0.3899



18.1599, 0.3205, 0.3156



12.2037, 0.4678, 0.2351

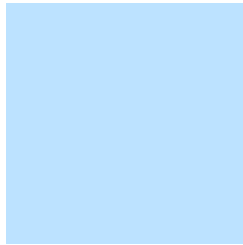


1.2102, 0.4464, 0.2233



# Previews

## White Background



This preview shows how the Yxy color 72.3041, 0.2711, 0.2971 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

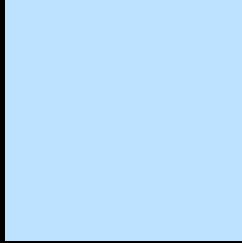
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.3041, 0.2711, 0.2971 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

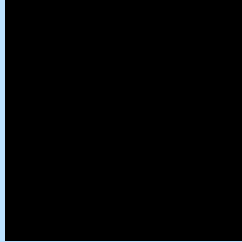
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

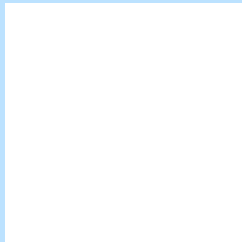
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.3041, 0.2711, 0.2971**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.3041, 0.2711, 0.2971.



This preview shows how white text looks on a background with the Yxy color 72.3041, 0.2711, 0.2971.

# 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

72.3041, 0.2711, 0.2971

### Protanopia

72.1641, 0.2909, 0.2961

### Deuteranopia

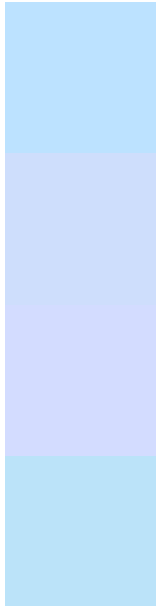
72.1790, 0.2932, 0.2885



## Tritanopia

72.5797, 0.2750, 0.3089

# Trichromacy



**Original Color**

72.3041, 0.2711, 0.2971

**Protanomaly**

72.3926, 0.2834, 0.2967

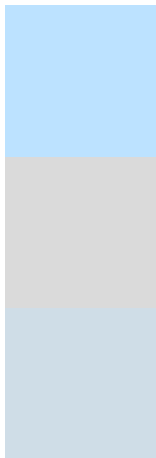
**Deuteranomaly**

72.2553, 0.2848, 0.2918

**Tritanomaly**

72.3425, 0.2739, 0.3045

# Monochromacy



**Original Color**

72.3041, 0.2711, 0.2971

**Achromatopsia**

70.1102, 0.3127, 0.3290

**Achromatomaly**

70.7478, 0.2966, 0.3179

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.3041, 0.2711, 0.2971 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(188, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(188, 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(188, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 226, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 72.3041, 0.2711, 0.2971 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(188, 226, 255) }
```

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

```
.border{ border-color:rgb(188, 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(188, 226, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 226, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 226, 255);  
box-shadow:4px 4px 4px 4px rgb(188, 226,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.3041, 0.2711, 0.2971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 226, 255) }
```

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

```
.background{ background-color: rgb(188,  
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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