

# Converting Colors

$Yxy(72.6414, 0.2688, 0.2987)$

Have a look what the booklet for  
Yxy(72.6414, 0.2688, 0.2987)  
contains.

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# Color

**Yxy(72.8972, 0.2690, 0.2992)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8E4FF
RGB	184, 228, 255
RGB Percent	72%, 89%, 100%
CMY	0.2788, 0.1058, 0.0001
CMYK	0.28, 0.11, 0.00, 0.00
HSL	203°, 100%, 86%
HSV	203°, 28%, 100%
XYZ	65.5393, 72.8972, 105.2039
YIQ	217.9220, -34.8910, -0.9310

# Conversions

## Conversions Part 2

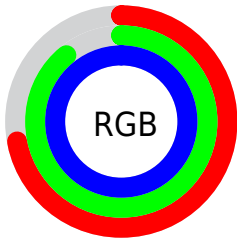
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 211, 255
Decimal	12117247
CIELab	88.40, -8.26, -17.72
CIELCh	88, 19.556, 245.004
Yxy	72.8972, 0.2690, 0.2992
Android (android.graphics.Color)	4290307327 (0xFFB8E4FF)
YUV	217.9220, 18.2795, -29.7496
Hunter-Lab	85.3799, -12.3946, -13.2904

# Details

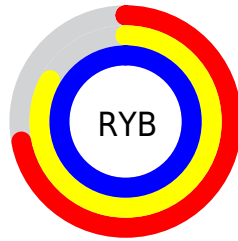
The Yxy color **72.8972, 0.2690, 0.2992** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **71.2253, 0.3665, 0.3569**, and the grayscale version is **69.9331, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4408, 0.3041, 0.3290**, and **38.6315, 0.2592, 0.2929** is the 20% darker color. If you saturate the color by 10%, you get **64.8601, 0.2536, 0.2866**, and if you desaturate by 10%, it is **81.8050, 0.2848, 0.3108**.

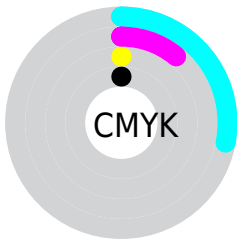
# Distribution



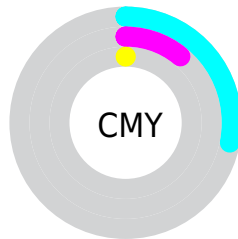
- Red (72%)
- Green (89%)
- Blue (100%)



- Red (72%)
- Yellow (83%)
- Blue (100%)



- Cyan (28%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (28%)
- Magenta (11%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.8972, 0.2690, 0.2992 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 72.8972, 0.2690, 0.2992 by changing the saturation by 10% instead.





 72.8972, 0.2690,  
0.2992

 72.8972, 0.2690,  
0.2992

470.6584, 0.2889,  
0.3131

 53.8919, 0.2645,  
0.2960


 123.3313, 0.2758,  
0.3041

 38.5153, 0.2591,  
0.2920


155.5288, 0.2785,  
0.3059

 26.3828, 0.2522,  
0.2870


192.8926, 0.2808,  
0.3076

 17.1103, 0.2434,  
0.2804

235.8070, 0.2829,  
0.3090

 10.3131, 0.2317,  
0.2715

284.6564, 0.2846,  
0.3102

 5.6071, 0.2153,  
0.2586

339.8251, 0.2862,

 2.6077, 0.1912,

0.3113

0.2389

401.6977, 0.2876,  
0.3123

0.9305, 0.1508,  
0.2058

0.0000, 0.0000,  
0.0000

72.8972, 0.2690,  
0.2992

72.8972, 0.2690,  
0.2992

64.8601, 0.2536,  
0.2866

81.8050, 0.2848,  
0.3108

57.6495, 0.2388,  
0.2730

91.6075, 0.3005,  
0.3214

51.2301, 0.2253,  
0.2588

99.9986, 0.3127,  
0.3290

45.5597, 0.2132,  
0.2441

■ 40.5910, 0.2031,  
0.2292

■ 36.2688, 0.1951,  
0.2145

■ 32.5208, 0.1892,  
0.2001

■ 31.7776, 0.1881,  
0.1971

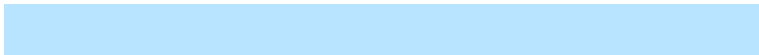
# Harmonies

## Analogous

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



72.8972, 0.2700, 0.3167



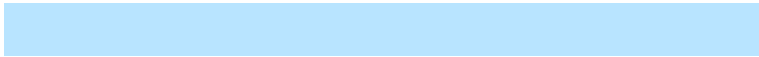
72.8972, 0.2690, 0.2992



72.8972, 0.2792, 0.2904

# Triad

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



72.8972, 0.2690, 0.2992



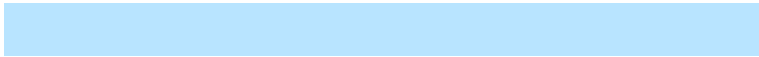
72.8972, 0.3440, 0.3187



72.8972, 0.3258, 0.3698

# Complementary

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



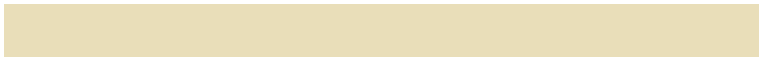
72.8972, 0.2690, 0.2992



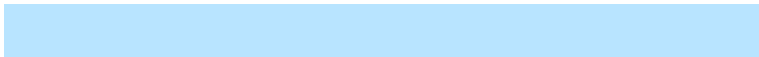
71.2253, 0.3665, 0.3569

# 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.



72.8972, 0.3465, 0.3687



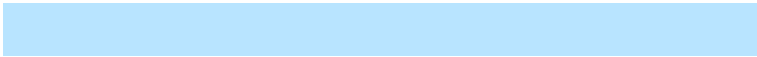
72.8972, 0.2690, 0.2992



72.8972, 0.3574, 0.3386

# Square

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



72.8972, 0.2690, 0.2992



72.8972, 0.3221, 0.3018



72.8972, 0.3583, 0.3569

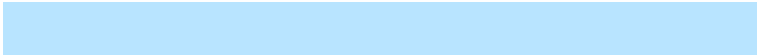


72.8972, 0.3022, 0.3587



# Rectangle

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



72.8972, 0.2690, 0.2992



72.8972, 0.2912, 0.2901



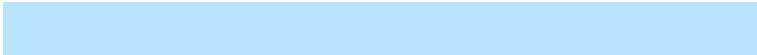
72.8972, 0.3583, 0.3569



72.8972, 0.3334, 0.3708

# Sweetspot

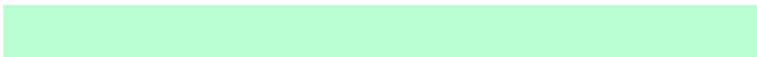
The Sweet Spot groups the original color and five complimentary colors.



72.9001, 0.2690, 0.2992



91.4984, 0.3003, 0.3213



86.3351, 0.2950, 0.3794



19.2565, 0.2979, 0.3198



0.0000, 0.0000, 0.0000

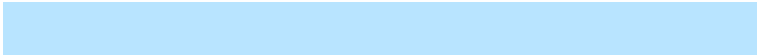


21.4041, 0.3127, 0.3290

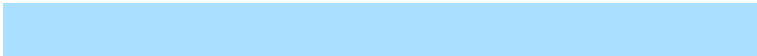


# Same Dimension

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



72.9001, 0.2690, 0.2992



68.6879, 0.2610, 0.2928



55.7037, 0.2649, 0.2591



19.2565, 0.2979, 0.3198



16.9049, 0.1887, 0.1995



1.8568, 0.1933, 0.2158



# Inverse Universe

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



61.0986, 0.3368, 0.2844



55.6621, 0.3425, 0.2759



90.3205, 0.3573, 0.3904



18.1768, 0.3197, 0.3143



12.4345, 0.4459, 0.2230

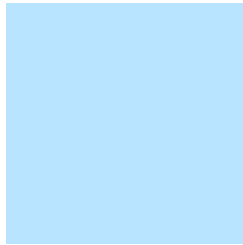


1.2320, 0.4278, 0.2130



# Previews

## White Background



This preview shows how the Yxy color 72.8972, 0.2690, 0.2992 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

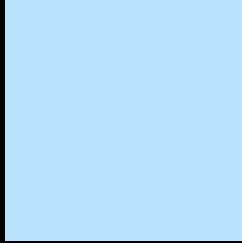
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.8972, 0.2690, 0.2992 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

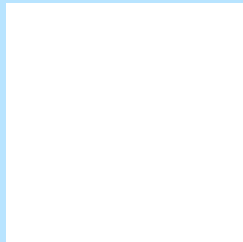
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.8972, 0.2690, 0.2992**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.8972, 0.2690, 0.2992.

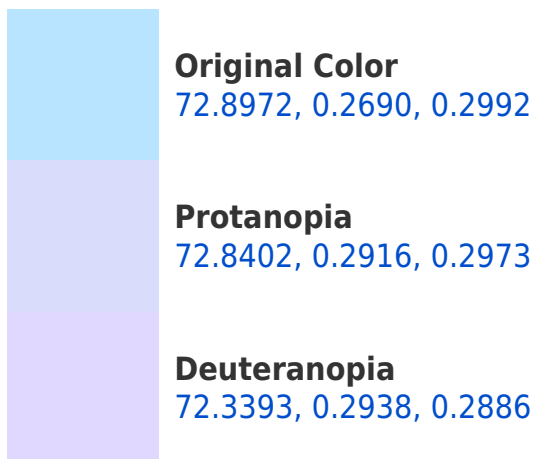


This preview shows how white text looks on a background with the Yxy color 72.8972, 0.2690, 0.2992.

# 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

72.7610, 0.2717, 0.3077

# Trichromacy



## Original Color

72.8972, 0.2690, 0.2992

## Protanomaly

72.7828, 0.2829, 0.2978

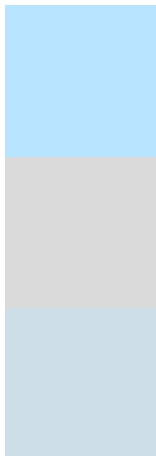
## Deuteranomaly

72.1080, 0.2841, 0.2918

## Tritanomaly

73.0709, 0.2707, 0.3045

# Monochromacy



## Original Color

72.8972, 0.2690, 0.2992

## Achromatopsia

70.1102, 0.3127, 0.3290

## Achromatomaly

71.1339, 0.2960, 0.3190

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.8972, 0.2690, 0.2992 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(184, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(184, 228, 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(184, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 228, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 72.8972, 0.2690, 0.2992 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(184, 228, 255) }
```

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

```
.border{ border-color:rgb(184, 228, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(184, 228,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.8972, 0.2690, 0.2992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 228, 255) }
```

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

```
.background{ background-color: rgb(184,  
228, 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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