

# Converting Colors

$Yxy(72.9624, 0.2674, 0.2999)$

Have a look what the booklet for  
Yxy(72.9624, 0.2674, 0.2999)  
contains.

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# Color

**Yxy(73.0824, 0.2675, 0.3001)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5E5FF
RGB	181, 229, 255
RGB Percent	71%, 90%, 100%
CMY	0.2898, 0.1020, 0.0000
CMYK	0.29, 0.10, 0.00, 0.00
HSL	201°, 100%, 86%
HSV	201°, 29%, 100%
XYZ	65.1434, 73.0824, 105.3010
YIQ	217.6120, -36.9540, -2.0900

# Conversions

## Conversions Part 2

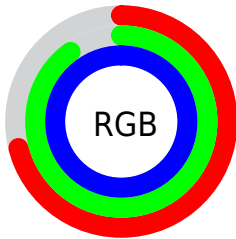
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	181, 210, 255
Decimal	11920895
CIE <sub>Lab</sub>	88.49, -9.54, -17.63
CIE <sub>LCh</sub>	88, 20.045, 241.596
Yxy	73.0824, 0.2675, 0.3001
Android (android.graphics.Color)	4290110975 (0xFFB5E5FF)
YUV	217.6120, 18.4323, -32.1087
Hunter-Lab	85.4882, -13.5845, -13.1893

# Details

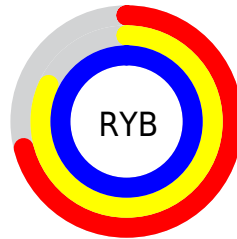
The Yxy color **73.0824, 0.2675, 0.3001** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **69.2771, 0.3697, 0.3561**, and the grayscale version is **69.7312, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9171, 0.3023, 0.3290**, and **38.7849, 0.2574, 0.2942** is the 20% darker color. If you saturate the color by 10%, you get **65.4369, 0.2524, 0.2884**, and if you desaturate by 10%, it is **81.5515, 0.2831, 0.3110**.

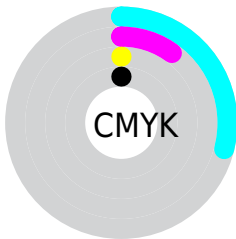
# Distribution



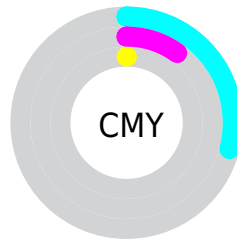
- Red (71%)
- Green (90%)
- Blue (100%)



- Red (71%)
- Yellow (82%)
- Blue (100%)



- Cyan (29%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)




- Cyan (29%)
- Magenta (10%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.0824, 0.2675, 0.3001 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 73.0824, 0.2675, 0.3001 by changing the saturation by 10% instead.



 73.0824, 0.2675,  
0.3001

 73.0824, 0.2675,  
0.3001


471.3003, 0.2881,  
0.3137

 54.0433, 0.2629,  
0.2970


 123.5942, 0.2746,  
0.3048

 38.6363, 0.2573,  
0.2931


155.8357, 0.2773,  
0.3067

 26.4769, 0.2502,  
0.2882


193.2468, 0.2797,  
0.3082

 17.1808, 0.2412,  
0.2817

236.2119, 0.2818,  
0.3096

 10.3635, 0.2291,  
0.2730

285.1155, 0.2837,  
0.3108

 5.6406, 0.2123,  
0.2603

340.3418, 0.2853,

 2.6278, 0.1876,

0.3119

0.2408

402.2753, 0.2868,  
0.3128

0.9407, 0.1461,  
0.2082

0.0000, 0.0000,  
0.0000

73.0824, 0.2675,  
0.3001

73.0824, 0.2675,  
0.3001

65.4369, 0.2524,  
0.2884

81.5515, 0.2831,  
0.3110

58.5765, 0.2381,  
0.2758

90.8727, 0.2988,  
0.3209

52.4650, 0.2250,  
0.2626

100.0000, 0.3127,  
0.3290

47.0605, 0.2136,  
0.2490

■ 42.3163, 0.2041,  
0.2353

■ 38.1770, 0.1967,  
0.2216

■ 34.5635, 0.1913,  
0.2083

■ 34.2162, 0.1908,  
0.2070

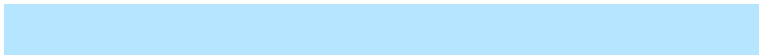
# Harmonies

## Analogous

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



73.0824, 0.2698, 0.3188



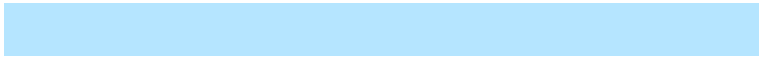
73.0824, 0.2675, 0.3001



73.0824, 0.2767, 0.2900

# Triad

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



73.0824, 0.2675, 0.3001



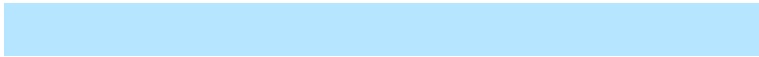
73.0824, 0.3425, 0.3163



73.0824, 0.3288, 0.3713

# Complementary

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



73.0824, 0.2675, 0.3001



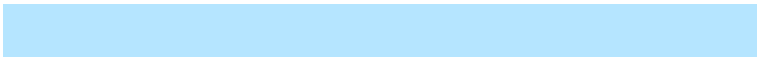
69.2771, 0.3697, 0.3561

# 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.



73.0824, 0.3492, 0.3688



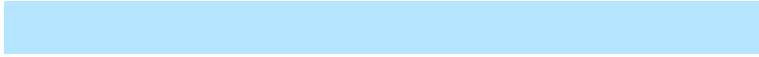
73.0824, 0.2675, 0.3001



73.0824, 0.3576, 0.3365

# Square

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



73.0824, 0.2675, 0.3001



73.0824, 0.3196, 0.2996



73.0824, 0.3600, 0.3557

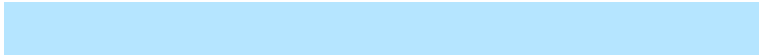


73.0824, 0.3046, 0.3613



# Rectangle

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



73.0824, 0.2675, 0.3001



73.0824, 0.2884, 0.2889



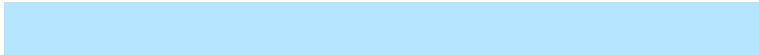
73.0824, 0.3600, 0.3557



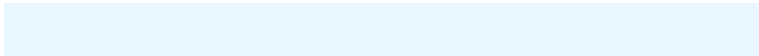
73.0824, 0.3364, 0.3719

# Sweetspot

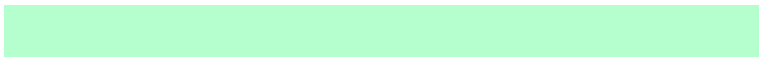
The Sweet Spot groups the original color and five complimentary colors.



73.0837, 0.2675, 0.3001



90.8577, 0.2987, 0.3209



85.8575, 0.2950, 0.3832



19.1454, 0.2965, 0.3195



0.0000, 0.0000, 0.0000

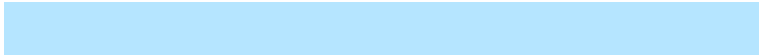


21.4041, 0.3127, 0.3290

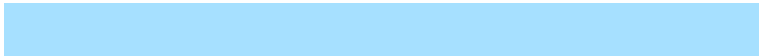


# Same Dimension

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



73.0837, 0.2675, 0.3001



68.3876, 0.2583, 0.2931



54.8311, 0.2629, 0.2573



19.3422, 0.2980, 0.3204



18.1700, 0.1914, 0.2092



1.9747, 0.1957, 0.2244



# Inverse Universe

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



60.0002, 0.3364, 0.2806



53.8009, 0.3428, 0.2703



89.2491, 0.3595, 0.3917



18.1854, 0.3192, 0.3137



12.5622, 0.4350, 0.2170

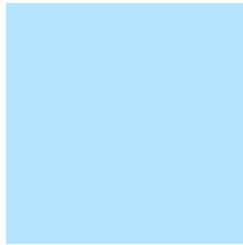


1.2439, 0.4185, 0.2079



# Previews

## White Background



This preview shows how the Yxy color 73.0824, 0.2675, 0.3001 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

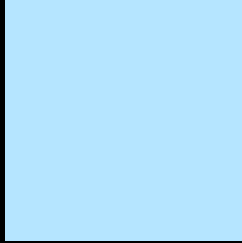
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.0824, 0.2675, 0.3001 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

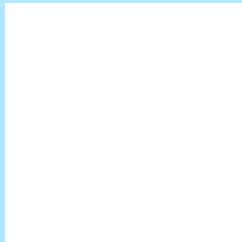
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.0824, 0.2675, 0.3001**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.0824, 0.2675, 0.3001.



This preview shows how white text looks on a background with the Yxy color 73.0824, 0.2675, 0.3001.

# 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

73.0824, 0.2675, 0.3001

### Protanopia

72.7777, 0.2922, 0.2983

### Deuteranopia

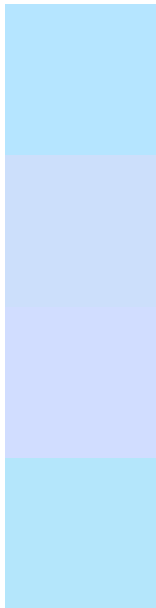
72.8533, 0.2938, 0.2896



## Tritanopia

73.0742, 0.2707, 0.3088

# Trichromacy



**Original Color**

73.0824, 0.2675, 0.3001

**Protanomaly**

72.5778, 0.2828, 0.2988

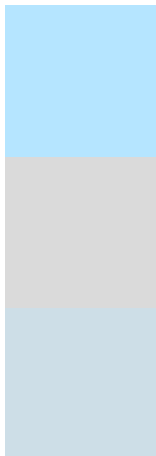
**Deuteranomaly**

72.4882, 0.2835, 0.2928

**Tritanomaly**

73.2620, 0.2691, 0.3055

# Monochromacy



**Original Color**

73.0824, 0.2675, 0.3001

**Achromatopsia**

70.1102, 0.3127, 0.3290

**Achromatomaly**

70.9912, 0.2953, 0.3190

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.0824, 0.2675, 0.3001 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(181, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(181, 229, 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(181, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 229, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 73.0824, 0.2675, 0.3001 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(181, 229, 255) }
```

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

```
.border{ border-color:rgb(181, 229, 255) }
```

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

Here you see how a box with a 4 pixel rgb(181, 229, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(181, 229,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.0824, 0.2675, 0.3001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 229, 255) }
```

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

```
.background{ background-color: rgb(181,  
229, 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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