

# Converting Colors

$Yxy(74.9296, 0.2727, 0.3090)$

Have a look what the booklet for  
Yxy(74.9296, 0.2727, 0.3090)  
contains.

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# Color

**Yxy(74.9296, 0.2727, 0.3090)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B9E8FA
RGB	185, 232, 250
RGB Percent	73%, 91%, 98%
CMY	0.2744, 0.0902, 0.0195
CMYK	0.26, 0.07, 0.00, 0.02
HSL	197°, 87%, 85%
HSV	197°, 26%, 98%
XYZ	66.1272, 74.9296, 101.4338
YIQ	219.9990, -33.7900, -4.3660

# Conversions

## Conversions Part 2

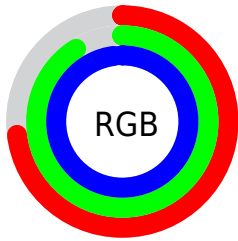
Format	Color
<b>RYB</b>	185, 212, 250
Decimal	12183802
CIELab	89.36, -11.09, -13.68
CIElCh	89, 17.607, 230.960
Yxy	74.9296, 0.2727, 0.3090
Android (android.graphics.Color)	4290373882 (0xFFB9E8FA)
YUV	219.9990, 14.7905, -30.6941
Hunter-Lab	86.5619, -15.1219, -8.8831

# Details

The Yxy color **74.9296, 0.2727, 0.3090** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.5704, 0.3638, 0.3481**, and the grayscale version is **71.4885, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6172, 0.3047, 0.3290**, and **39.6915, 0.2630, 0.3029** is the 20% darker color. If you saturate the color by 10%, you get **68.2640, 0.2580, 0.3001**, and if you desaturate by 10%, it is **82.3020, 0.2879, 0.3173**.

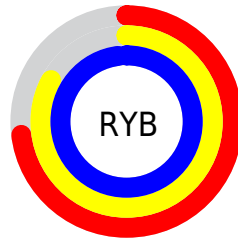
# Distribution



Red (73%)

Green (91%)

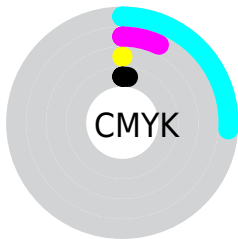
Blue (98%)



Red (73%)

Yellow (83%)

Blue (98%)

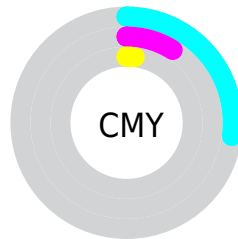


Cyan (26%)

Magenta (7%)

Yellow (0%)

Black (2%)



Cyan (27%)

Magenta (9%)

Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.9296, 0.2727, 0.3090 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 74.9296, 0.2727, 0.3090 by changing the saturation by 10% instead.



■ 74.9296, 0.2727,  
0.3090

■ 74.9296, 0.2727,  
0.3090

477.6756, 0.2909,  
0.3184

■ 55.5552, 0.2686,  
0.3068

■ 126.2127, 0.2789,  
0.3123

■ 39.8464, 0.2637,  
0.3041

158.8902, 0.2814,  
0.3136

■ 27.4188, 0.2574,  
0.3006

196.7709, 0.2835,  
0.3147

■ 17.8880, 0.2494,  
0.2960

240.2391, 0.2853,  
0.3156

■ 10.8696, 0.2388,  
0.2898

289.6793, 0.2870,  
0.3165

■ 5.9792, 0.2239,  
0.2806

345.4759, 0.2884,

■ 2.8325, 0.2017,

0.3172

0.2662

408.0131, 0.2897,  
0.3179

1.0449, 0.1648,  
0.2411

0.0000, 0.0000,  
0.0000

74.9296, 0.2727,  
0.3090

74.9296, 0.2727,  
0.3090

68.2640, 0.2580,  
0.3001

82.3020, 0.2879,  
0.3173

62.2658, 0.2443,  
0.2905

90.4005, 0.3034,  
0.3248

56.9050, 0.2318,  
0.2805

98.2861, 0.3157,  
0.3317

52.1451, 0.2210,  
0.2701

99.6833, 0.3156,  
0.3338

■ 47.9453, 0.2120,  
0.2595

■ 44.2578, 0.2050,  
0.2489

■ 41.0241, 0.2001,  
0.2385

■ 39.8204, 0.1984,  
0.2344

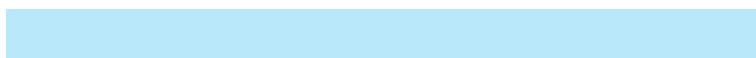
# Harmonies

## Analogous

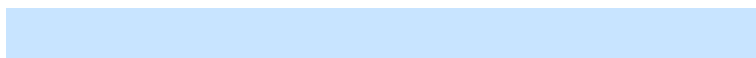
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.9296, 0.2784, 0.3271



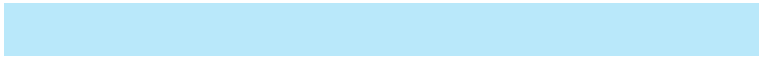
74.9296, 0.2727, 0.3090



74.9296, 0.2773, 0.2971

# Triad

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



74.9296, 0.2727, 0.3090



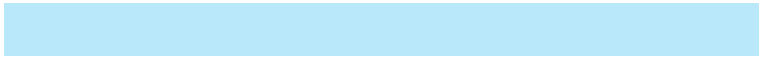
74.9296, 0.3321, 0.3122



74.9296, 0.3338, 0.3662

# Complementary

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



74.9296, 0.2727, 0.3090



66.5704, 0.3638, 0.3481

# 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.



74.9296, 0.3491, 0.3606



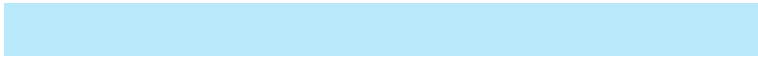
74.9296, 0.2727, 0.3090



74.9296, 0.3482, 0.3293

# Square

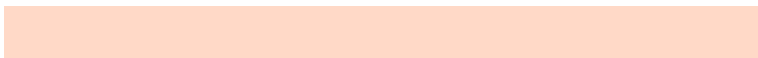
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.9296, 0.2727, 0.3090



74.9296, 0.3111, 0.2994



74.9296, 0.3545, 0.3469

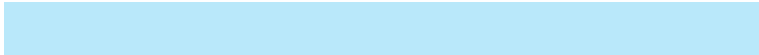


74.9296, 0.3132, 0.3612



# Rectangle

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



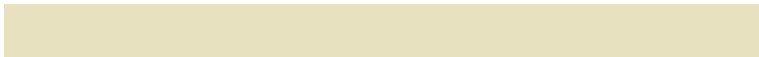
74.9296, 0.2727, 0.3090



74.9296, 0.2856, 0.2940



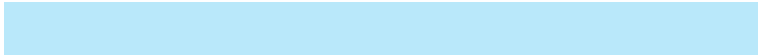
74.9296, 0.3545, 0.3469



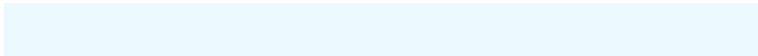
74.9296, 0.3397, 0.3655

# Sweetspot

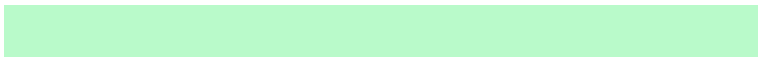
The Sweet Spot groups the original color and five complimentary colors.



74.9326, 0.2727, 0.3090



92.7773, 0.3003, 0.3234



82.9826, 0.2997, 0.3831



19.5796, 0.2980, 0.3223



0.0000, 0.0000, 0.0000

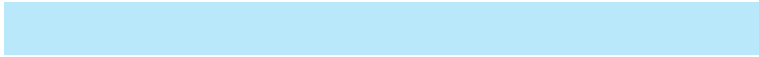


21.4041, 0.3127, 0.3290

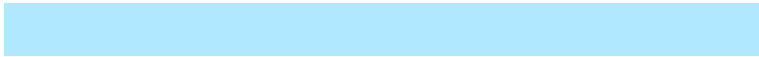


# Same Dimension

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



74.9326, 0.2727, 0.3090



74.7653, 0.2652, 0.3046



58.6218, 0.2693, 0.2723



18.7469, 0.2980, 0.3223



21.3727, 0.1989, 0.2361



2.1574, 0.2024, 0.2485



# Inverse Universe

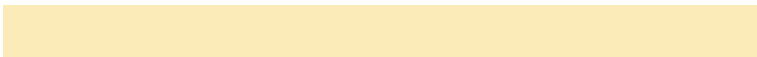
The Inverse Universe completely reimagines the original color for something new.



60.8656, 0.3295, 0.2811



58.1786, 0.3336, 0.2715



83.1655, 0.3557, 0.3799



17.4376, 0.3181, 0.3120



12.5685, 0.4063, 0.2012

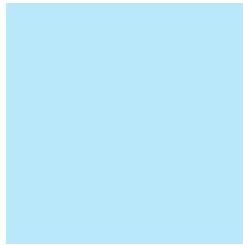


1.1820, 0.3937, 0.1943



# Previews

## White Background



This preview shows how the Yxy color 74.9296, 0.2727, 0.3090 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

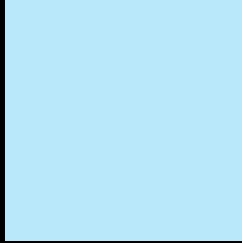
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.9296, 0.2727, 0.3090 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

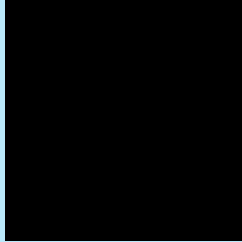
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 74.9296, 0.2727, 0.3090**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.9296, 0.2727, 0.3090.



This preview shows how white text looks on a background with the Yxy color 74.9296, 0.2727, 0.3090.

# 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

74.9296, 0.2727, 0.3090

### Protanopia

74.3038, 0.2987, 0.3058

### Deuteranopia

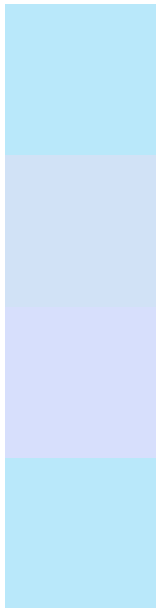
74.3905, 0.2998, 0.2932



## Tritanopia

74.9296, 0.2727, 0.3090

# Trichromacy



**Original Color**

74.9296, 0.2727, 0.3090

**Protanomaly**

74.6018, 0.2890, 0.3075

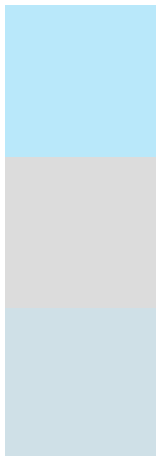
**Deuteranomaly**

74.2507, 0.2892, 0.2984

**Tritanomaly**

74.9296, 0.2727, 0.3090

# Monochromacy



**Original Color**

74.9296, 0.2727, 0.3090

**Achromatopsia**

71.5694, 0.3127, 0.3290

**Achromatomaly**

72.3462, 0.2967, 0.3213

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.9296, 0.2727, 0.3090 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(185, 232, 250)` looks like.

```
.text, #text, p{  
    color:rgb(185, 232, 250)  
}
```

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(185, 232, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 232, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 74.9296, 0.2727, 0.3090 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(185, 232, 250) }
```

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

```
.border{ border-color:rgb(185, 232, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 232, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 232, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 232, 250);  
box-shadow:4px 4px 4px 4px rgb(185, 232,  
250) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.9296, 0.2727, 0.3090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 232, 250) }
```

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

```
.background{ background-color: rgb(185,  
232, 250) }
```

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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