

# Converting Colors

$Yxy(72.9382, 0.2659, 0.3075)$

Have a look what the booklet for  
Yxy(72.9382, 0.2659, 0.3075)  
contains.

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# Color

**Yxy(72.9382, 0.2659, 0.3075)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ADE7FA
RGB	173, 231, 250
RGB Percent	68%, 91%, 98%
CMY	0.3214, 0.0941, 0.0196
CMYK	0.31, 0.08, 0.00, 0.02
HSL	195°, 88%, 83%
HSV	195°, 31%, 98%
XYZ	63.0708, 72.9382, 101.1884
YIQ	215.8240, -40.6670, -6.3870

# Conversions

## Conversions Part 2

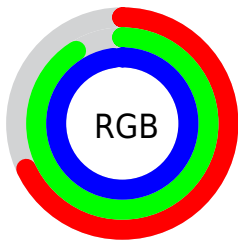
<b>Format</b>	<b>Color</b>
<b>RYB</b>	173, 206, 250
Decimal	11397114
CIELab	88.42, -13.96, -15.14
CIElCh	88, 20.598, 227.316
Yxy	72.9382, 0.2659, 0.3075
Android (android.graphics.Color)	4289587194 (0xFFADEF7FA)
YUV	215.8240, 16.8488, -37.5566
Hunter-Lab	85.4039, -17.6344, -10.4654

# Details

The Yxy color **72.9382, 0.2659, 0.3075** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.0593, 0.3767, 0.3494**, and the grayscale version is **68.4547, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5630, 0.2976, 0.3290**, and **38.4065, 0.2548, 0.3008** is the 20% darker color. If you saturate the color by 10%, you get **66.9579, 0.2519, 0.2993**, and if you desaturate by 10%, it is **79.5794, 0.2807, 0.3151**.

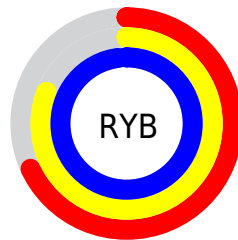
# Distribution



Red (68%)

Green (91%)

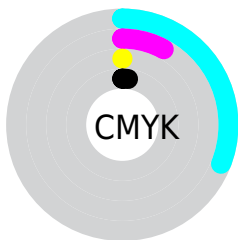
Blue (98%)



Red (68%)

Yellow (81%)

Blue (98%)

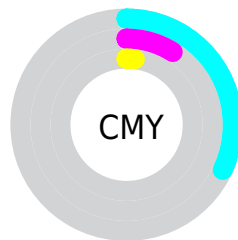


Cyan (31%)

Magenta (8%)

Yellow (0%)

Black (2%)



Cyan (32%)

Magenta (9%)


Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.9382, 0.2659, 0.3075 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 72.9382, 0.2659, 0.3075 by changing the saturation by 10% instead.




 72.9382, 0.2659,  
0.3075

 72.9382, 0.2659,  
0.3075

470.8006, 0.2872,  
0.3178

 53.9254, 0.2611,  
0.3051


 123.3895, 0.2732,  
0.3111

 38.5420, 0.2553,  
0.3021

155.5968, 0.2761,  
0.3125

 26.4037, 0.2480,  
0.2982


192.9710, 0.2785,  
0.3137

 17.1259, 0.2386,  
0.2931

235.8966, 0.2807,  
0.3147

 10.3243, 0.2261,  
0.2860

284.7580, 0.2826,  
0.3156

 5.6145, 0.2087,  
0.2756

339.9395, 0.2843,

 2.6121, 0.1831,

0.3164

0.2591

401.8256, 0.2858,  
0.3171

0.9328, 0.1352,  
0.2314

0.0000, 0.0000,  
0.0000

72.9382, 0.2659,  
0.3075

72.9382, 0.2659,  
0.3075

66.9579, 0.2519,  
0.2993

79.5794, 0.2807,  
0.3151

61.5986, 0.2391,  
0.2907

86.9014, 0.2960,  
0.3222

56.8294, 0.2278,  
0.2817

94.9339, 0.3115,  
0.3285

52.6124, 0.2183,  
0.2724

99.6816, 0.3156,  
0.3338

■ 48.9043, 0.2107,  
0.2631

■ 45.6536, 0.2051,  
0.2538

■ 42.9864, 0.2015,  
0.2454

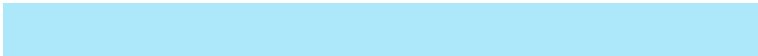
# Harmonies

## Analogous

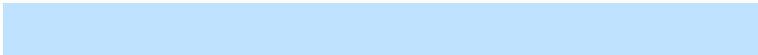
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.9382, 0.2739, 0.3295



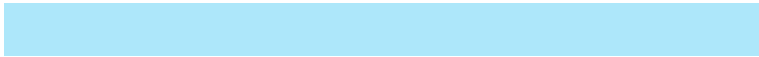
72.9382, 0.2659, 0.3075



72.9382, 0.2698, 0.2926

# Triad

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



72.9382, 0.2659, 0.3075



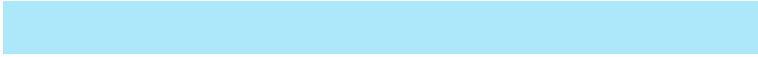
72.9382, 0.3327, 0.3071



72.9382, 0.3401, 0.3729

# Complementary

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



72.9382, 0.2659, 0.3075



61.0593, 0.3767, 0.3494

# 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.



72.9382, 0.3571, 0.3646



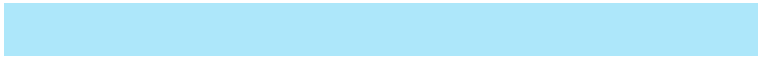
72.9382, 0.2659, 0.3075



72.9382, 0.3529, 0.3266

# Square

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



72.9382, 0.2659, 0.3075



72.9382, 0.3076, 0.2931



72.9382, 0.3619, 0.3474

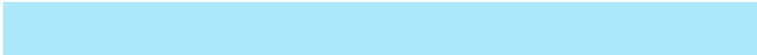


72.9382, 0.3162, 0.3687



# Rectangle

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



72.9382, 0.2659, 0.3075



72.9382, 0.2787, 0.2882



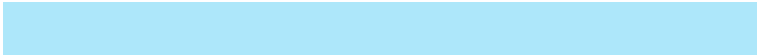
72.9382, 0.3619, 0.3474



72.9382, 0.3469, 0.3714

# Sweetspot

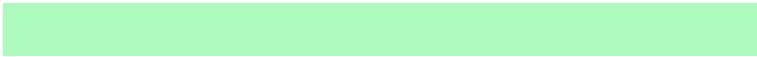
The Sweet Spot groups the original color and five complimentary colors.



72.9411, 0.2659, 0.3075



92.3425, 0.2988, 0.3233



81.0171, 0.2988, 0.3980



19.5124, 0.2965, 0.3224



0.0000, 0.0000, 0.0000

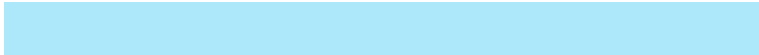


21.4041, 0.3127, 0.3290

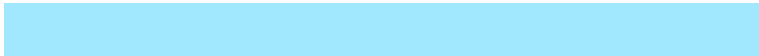


# Same Dimension

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



72.9411, 0.2659, 0.3075



72.3098, 0.2570, 0.3024



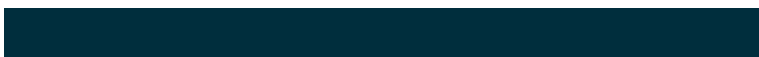
54.1819, 0.2607, 0.2631



18.8401, 0.2980, 0.3230



23.0417, 0.2019, 0.2469



2.3002, 0.2050, 0.2579



# Inverse Universe

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



55.9971, 0.3314, 0.2698



52.4372, 0.3363, 0.2576



79.6421, 0.3651, 0.3871



17.4470, 0.3176, 0.3113



12.7370, 0.3953, 0.1951

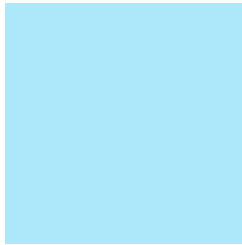


1.1964, 0.3845, 0.1892



# Previews

## White Background



This preview shows how the Yxy color 72.9382, 0.2659, 0.3075 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

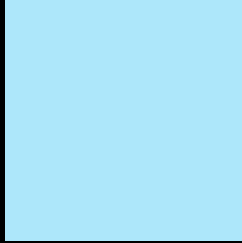
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.9382, 0.2659, 0.3075 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

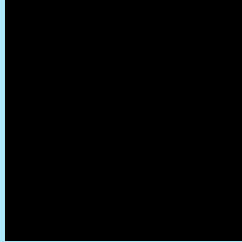
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.9382, 0.2659, 0.3075**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.9382, 0.2659, 0.3075.

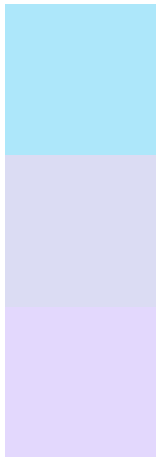


This preview shows how white text looks on a background with the Yxy color 72.9382, 0.2659, 0.3075.

# 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

72.9382, 0.2659, 0.3075

### Protanopia

72.7175, 0.2973, 0.3045

### Deuteranopia

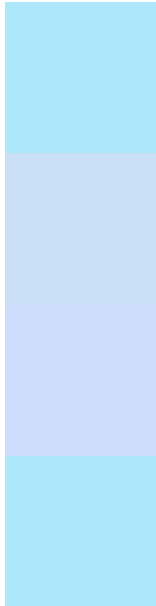
72.5345, 0.2964, 0.2907



## Tritanopia

72.9382, 0.2659, 0.3075

# Trichromacy



**Original Color**

72.9382, 0.2659, 0.3075

**Protanomaly**

72.5217, 0.2845, 0.3050

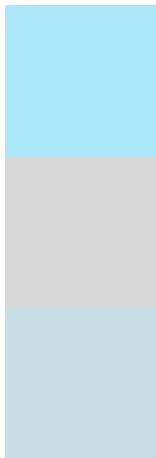
**Deuteranomaly**

72.0066, 0.2840, 0.2957

**Tritanomaly**

72.9382, 0.2659, 0.3075

# Monochromacy



**Original Color**

72.9382, 0.2659, 0.3075

**Achromatopsia**

68.6685, 0.3127, 0.3290

**Achromatomaly**

69.5937, 0.2938, 0.3211

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.9382, 0.2659, 0.3075 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(173, 231, 250)` looks like.

```
.text, #text, p{  
    color:rgb(173, 231, 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(173, 231, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 231, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 72.9382, 0.2659, 0.3075 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(173, 231, 250) }
```

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

```
.border{ border-color:rgb(173, 231, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 231, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 231, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 231, 250);  
box-shadow:4px 4px 4px 4px rgb(173, 231,  
250) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.9382, 0.2659, 0.3075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 231, 250) }
```

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

```
.background{ background-color: rgb(173,  
231, 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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