

Converting Colors

$Yxy(74.7096, 0.2565, 0.2898)$

Have a look what the booklet for
Yxy(74.7096, 0.2565, 0.2898)
contains.

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Color

Yxy(73.7039, 0.2629, 0.3032)

Conversions

Conversions Part 1

Format	Color
Hex	ACE8FF
RGB	172, 232, 255
RGB Percent	67%, 91%, 100%
CMY	0.3258, 0.0901, 0.0000
CMYK	0.33, 0.09, 0.00, 0.00
HSL	197°, 100%, 84%
HSV	197°, 33%, 100%
XYZ	63.9075, 73.7039, 105.4753
YIQ	216.6820, -43.1430, -5.5670

Conversions

Conversions Part 2

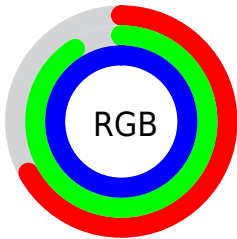
Format	Color
R _Y B	172, 207, 255
Decimal	11331839
CIE Lab	88.78, -13.61, -17.23
CIE LCh	89, 21.961, 231.690
Yxy	73.7039, 0.2629, 0.3032
Android (android.graphics.Color)	4289521919 (0xFFACE8FF)
YUV	216.6820, 18.8908, -39.1861
Hunter-Lab	85.8510, -17.3637, -12.7472

Details

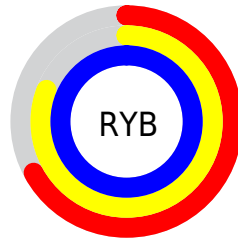
The Yxy color **73.7039, 0.2629, 0.3032** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.2203, 0.3809, 0.3532**, and the grayscale version is **69.0399, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3980, 0.2970, 0.3290**, and **38.9098, 0.2520, 0.2967** is the 20% darker color. If you saturate the color by 10%, you get **67.2020, 0.2488, 0.2939**, and if you desaturate by 10%, it is **80.9228, 0.2778, 0.3119**.

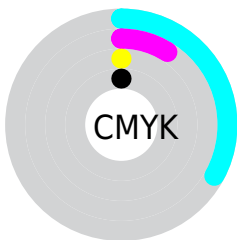
Distribution



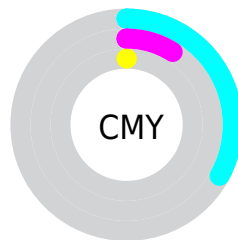
- Red (67%)
- Green (91%)
- Blue (100%)



- Red (67%)
- Yellow (81%)
- Blue (100%)



- Cyan (33%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)





- Cyan (33%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.7039, 0.2629, 0.3032 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 73.7039, 0.2629, 0.3032 by changing the saturation by 10% instead.


 73.7039, 0.2629,
0.3032

 73.7039, 0.2629,
0.3032


473.4508, 0.2855,
0.3154

 54.5517, 0.2579,
0.3003


 124.4760, 0.2706,
0.3075

 39.0429, 0.2517,
0.2968


156.8647, 0.2737,
0.3092

 26.7931, 0.2441,
0.2923


194.4343, 0.2763,
0.3106

 17.4179, 0.2342,
0.2863

237.5693, 0.2786,
0.3118

 10.5329, 0.2212,
0.2781

286.6541, 0.2806,
0.3129

 5.7537, 0.2032,
0.2662

342.0730, 0.2824,

 2.6959, 0.1769,

0.3138

0.2477

404.2104, 0.2840,
0.3147

0.9751, 0.1315,
0.2166

0.0000, 0.0000,
0.0000

73.7039, 0.2629,
0.3032

73.7039, 0.2629,
0.3032

67.2020, 0.2488,
0.2939

80.9228, 0.2778,
0.3119

61.3771, 0.2359,
0.2840

88.8836, 0.2932,
0.3199

56.1946, 0.2244,
0.2737

97.6171, 0.3087,
0.3272

51.6132, 0.2148,
0.2632

100.0000, 0.3127,
0.3290

■ 47.5857, 0.2072,
0.2527

■ 44.0551, 0.2016,
0.2422

■ 41.6958, 0.1985,
0.2345

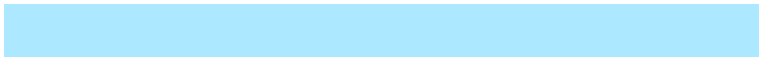
Harmonies

Analogous

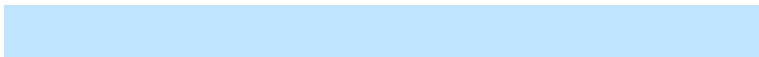
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.7039, 0.2695, 0.3258



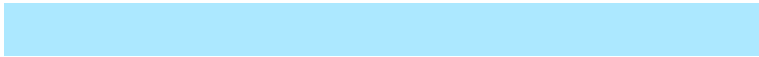
73.7039, 0.2629, 0.3032



73.7039, 0.2688, 0.2889

Triad

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



73.7039, 0.2629, 0.3032



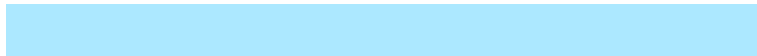
73.7039, 0.3376, 0.3085



73.7039, 0.3384, 0.3759

Complementary

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



73.7039, 0.2629, 0.3032



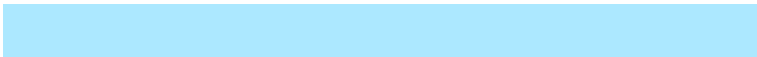
63.2203, 0.3809, 0.3532

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.



73.7039, 0.3579, 0.3687



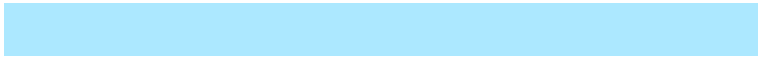
73.7039, 0.2629, 0.3032



73.7039, 0.3577, 0.3296

Square

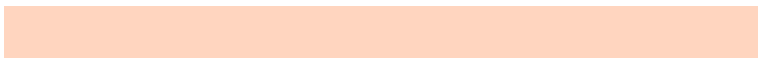
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.7039, 0.2629, 0.3032



73.7039, 0.3112, 0.2926



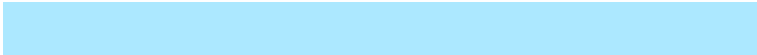
73.7039, 0.3652, 0.3515



73.7039, 0.3125, 0.3695

Rectangle

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



73.7039, 0.2629, 0.3032



73.7039, 0.2793, 0.2853



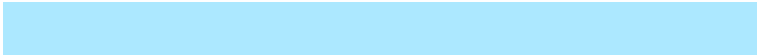
73.7039, 0.3652, 0.3515



73.7039, 0.3459, 0.3749

Sweetspot

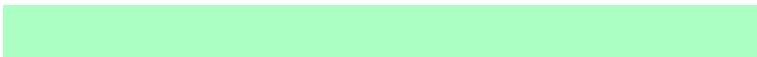
The Sweet Spot groups the original color and five complimentary colors.



73.7060, 0.2629, 0.3032



91.0625, 0.2972, 0.3219



84.1798, 0.2966, 0.3995



19.2358, 0.2950, 0.3208



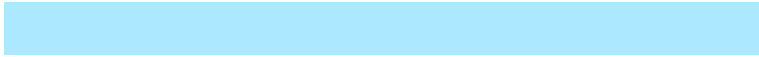
0.0000, 0.0000, 0.0000



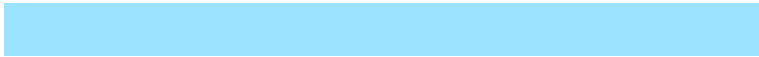
21.4041, 0.3127, 0.3290

Same Dimension

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



73.7060, 0.2629, 0.3032



69.4511, 0.2537, 0.2973



53.3760, 0.2569, 0.2551



19.5819, 0.2980, 0.3223



22.0505, 0.1990, 0.2363



2.3305, 0.2023, 0.2481

Inverse Universe

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



56.5615, 0.3349, 0.2685



50.4595, 0.3406, 0.2565



84.0045, 0.3678, 0.3932



18.2096, 0.3181, 0.3120



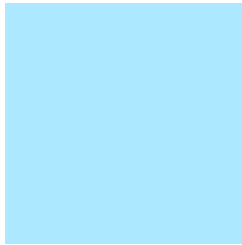
12.9540, 0.4061, 0.2011



1.2798, 0.3941, 0.1945

Previews

White Background



This preview shows how the Yxy color 73.7039, 0.2629, 0.3032 looks on a white background.

Color Contrast Check

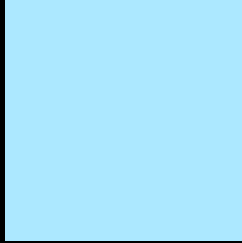
Large Text (above 18pt) WCAG AA × Fail

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 73.7039, 0.2629, 0.3032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

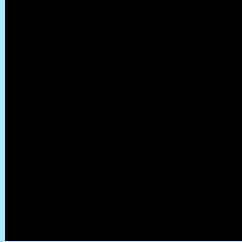
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.7039, 0.2629, 0.3032

Background



This preview shows how black text looks on a background with the Yxy color 73.7039, 0.2629, 0.3032.

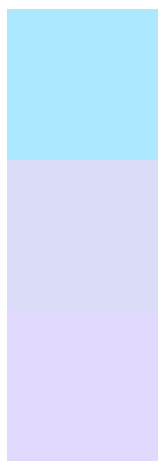


This preview shows how white text looks on a background with the Yxy color 73.7039, 0.2629, 0.3032.

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

73.7039, 0.2629, 0.3032

Protanopia

73.5503, 0.2942, 0.3005

Deuteranopia

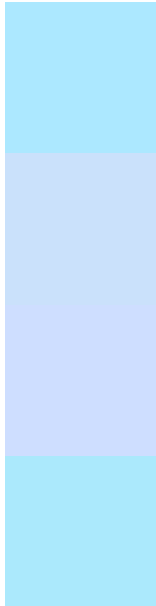
73.0145, 0.2945, 0.2897



Tritanopia

73.9008, 0.2646, 0.3086

Trichromacy



Original Color

73.7039, 0.2629, 0.3032

Protanomaly

73.3720, 0.2817, 0.3009

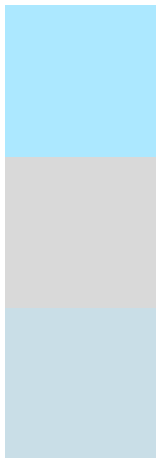
Deuteranomaly

72.5844, 0.2817, 0.2937

Tritanomaly

73.9640, 0.2641, 0.3076

Monochromacy



Original Color

73.7039, 0.2629, 0.3032

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

70.4296, 0.2927, 0.3189

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.7039, 0.2629, 0.3032 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(172, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(172, 232, 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(172, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 232, 255) }
```

Border

The CSS property to change the border of an element to Yxy 73.7039, 0.2629, 0.3032 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(172, 232, 255) }
```

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

```
.border{ border-color:rgb(172, 232, 255) }
```

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

Here you see how a box with a 4 pixel rgb(172, 232, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(172, 232,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 73.7039, 0.2629, 0.3032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 232, 255) }
```

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

```
.background{ background-color: rgb(172,  
232, 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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