

# Converting Colors

$Yxy(73.2774, 0.2605, 0.3104)$

Have a look what the booklet for  
Yxy(73.2774, 0.2605, 0.3104)  
contains.

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# Color

**Yxy(73.4291, 0.2605, 0.3106)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A2EAFA
RGB	162, 234, 250
RGB Percent	64%, 92%, 98%
CMY	0.3646, 0.0824, 0.0195
CMYK	0.35, 0.06, 0.00, 0.02
HSL	191°, 90%, 81%
HSV	191°, 35%, 98%
XYZ	61.5849, 73.4291, 101.3965
YIQ	214.2960, -48.0480, -10.2880

# Conversions

## Conversions Part 2

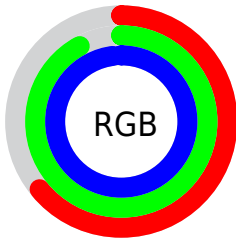
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	162, 202, 250
Decimal	10676986
CIE <sub>Lab</sub>	88.65, -18.42, -14.87
CIE <sub>LCh</sub>	89, 23.678, 218.911
Yxy	73.4291, 0.2605, 0.3106
Android (android.graphics.Color)	4288867066 (0xFFA2EAFA)
YUV	214.2960, 17.6021, -45.8636
Hunter-Lab	85.6908, -21.6731, -10.1733

# Details

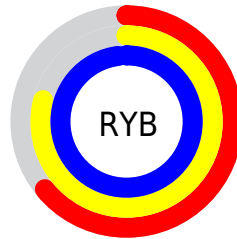
The Yxy color **73.4291, 0.2605, 0.3106** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **54.8029, 0.3912, 0.3464**, and the grayscale version is **67.3635, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8001, 0.2911, 0.3289**, and **38.8000, 0.2483, 0.3049** is the 20% darker color. If you saturate the color by 10%, you get **68.5075, 0.2477, 0.3045**, and if you desaturate by 10%, it is **78.9438, 0.2745, 0.3164**.

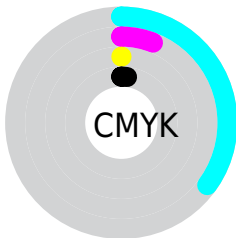
# Distribution



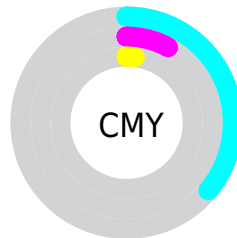
- Red (64%)
- Green (92%)
- Blue (98%)



- Red (64%)
- Yellow (79%)
- Blue (98%)



- Cyan (35%)
- Magenta (6%)
- Yellow (0%)
- Black (2%)




- Cyan (36%)
- Magenta (8%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.4291, 0.2605, 0.3106 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 73.4291, 0.2605, 0.3106 by changing the saturation by 10% instead.





 73.4291, 0.2605,  
0.3106

 73.4291, 0.2605,  
0.3106


472.5007, 0.2842,  
0.3196

 54.3269, 0.2552,  
0.3085


 124.0862, 0.2686,  
0.3138

 38.8631, 0.2488,  
0.3058

 156.4099, 0.2718,  
0.3150

 26.6532, 0.2407,  
0.3023


193.9095, 0.2745,  
0.3160

 17.3130, 0.2304,  
0.2977

236.9695, 0.2769,  
0.3169

 10.4579, 0.2168,  
0.2912

285.9742, 0.2791,  
0.3177

 5.7036, 0.1978,  
0.2815


341.3080, 0.2810,

 2.6657, 0.1702,

0.3184


0.2658


403.3554, 0.2826,  
0.3190


 0.9598, 0.1154,  
0.2405


 0.0000, 0.0000,  
0.0000


 73.4291, 0.2605,  
0.3106


 73.4291, 0.2605,  
0.3106


 68.5075, 0.2477,  
0.3045


 78.9438, 0.2745,  
0.3164


 64.1388, 0.2363,  
0.2981

 85.0717, 0.2893,  
0.3217

 60.2910, 0.2267,  
0.2915

 91.8428, 0.3046,  
0.3266

 56.9250, 0.2189,  
0.2849

 97.9235, 0.3157,  
0.3311

■ 53.9951, 0.2132,  
0.2782

■ 99.6843, 0.3156,  
0.3337

■ 51.4451, 0.2093,  
0.2716

■ 50.3171, 0.2079,  
0.2685

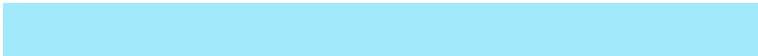
# Harmonies

## Analogous

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



73.4291, 0.2731, 0.3371



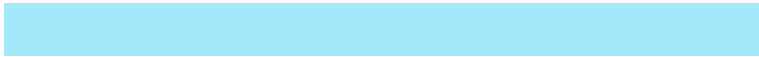
73.4291, 0.2605, 0.3106



73.4291, 0.2611, 0.2909

# Triad

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



73.4291, 0.2605, 0.3106



73.4291, 0.3277, 0.2987



73.4291, 0.3506, 0.3780

# Complementary

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



73.4291, 0.2605, 0.3106



54.8029, 0.3912, 0.3464

# 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.



73.4291, 0.3668, 0.3648



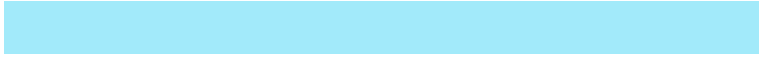
73.4291, 0.2605, 0.3106



73.4291, 0.3534, 0.3195

# Square

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



73.4291, 0.2605, 0.3106



73.4291, 0.2989, 0.2853



73.4291, 0.3679, 0.3433



73.4291, 0.3246, 0.3777

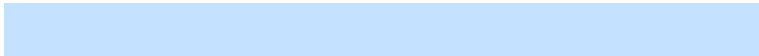


# Rectangle

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



73.4291, 0.2605, 0.3106



73.4291, 0.2689, 0.2838



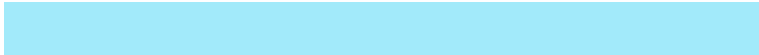
73.4291, 0.3679, 0.3433



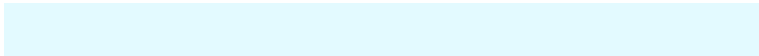
73.4291, 0.3574, 0.3749

# Sweetspot

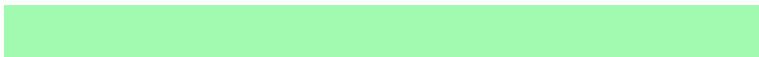
The Sweet Spot groups the original color and five complimentary colors.



73.4320, 0.2605, 0.3106



91.8451, 0.2957, 0.3238



79.2377, 0.3001, 0.4171



19.4559, 0.2936, 0.3232



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

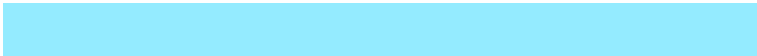


# Same Dimension

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



73.4320, 0.2605, 0.3106



73.2019, 0.2516, 0.3065



52.0058, 0.2535, 0.2591



19.0391, 0.2980, 0.3246



26.8775, 0.2082, 0.2696



2.6245, 0.2104, 0.2774



# Inverse Universe

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



52.1184, 0.3300, 0.2559



48.4347, 0.3342, 0.2420



74.4921, 0.3755, 0.3900



17.4671, 0.3166, 0.3098



13.1242, 0.3732, 0.1830

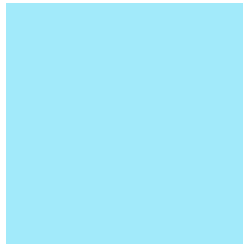


1.2292, 0.3658, 0.1789



# Previews

## White Background



This preview shows how the Yxy color 73.4291, 0.2605, 0.3106 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

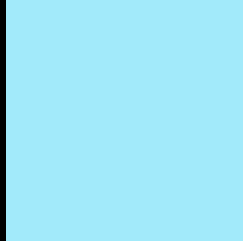
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.4291, 0.2605, 0.3106 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

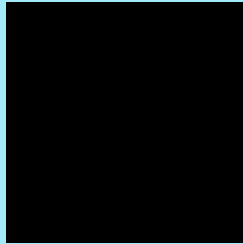
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 73.4291, 0.2605, 0.3106**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.4291, 0.2605, 0.3106.

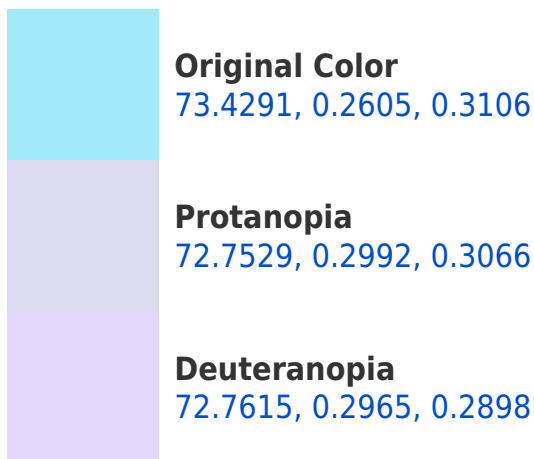


This preview shows how white text looks on a background with the Yxy color 73.4291, 0.2605, 0.3106.

# 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

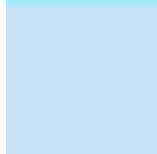
73.6604, 0.2600, 0.3085

# Trichromacy



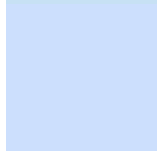
## Original Color

73.4291, 0.2605, 0.3106



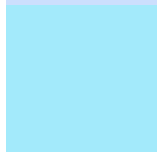
## Protanomaly

72.5242, 0.2838, 0.3081



## Deuteranomaly

72.7046, 0.2817, 0.2967



## Tritanomaly

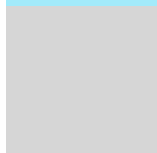
73.5972, 0.2605, 0.3096

# Monochromacy



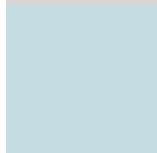
## Original Color

73.4291, 0.2605, 0.3106



## Achromatopsia

67.2443, 0.3127, 0.3290



## Achromatomaly

68.8611, 0.2911, 0.3221

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.4291, 0.2605, 0.3106 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(162, 234, 250)` looks like.

```
.text, #text, p{  
    color:rgb(162, 234, 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(162, 234, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 234, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 73.4291, 0.2605, 0.3106 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(162, 234, 250) }
```

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

```
.border{ border-color:rgb(162, 234, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 234, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 234, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 234, 250);  
box-shadow:4px 4px 4px 4px rgb(162, 234,  
250) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.4291, 0.2605, 0.3106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 234, 250) }
```

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

```
.background{ background-color: rgb(162,  
234, 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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