

# Converting Colors

$Y_{xy}(71.5620, 0.2600, 0.3071)$

Have a look what the booklet for  
Yxy(71.5620, 0.2600, 0.3071)  
contains.

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# Color

**Yxy(71.7353, 0.2600, 0.3071)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A2E7FA
RGB	162, 231, 250
RGB Percent	64%, 91%, 98%
CMY	0.3648, 0.0941, 0.0194
CMYK	0.35, 0.08, 0.00, 0.02
HSL	193°, 90%, 81%
HSV	193°, 35%, 98%
XYZ	60.7332, 71.7353, 101.1208
YIQ	212.5350, -47.2230, -8.7190

# Conversions

## Conversions Part 2

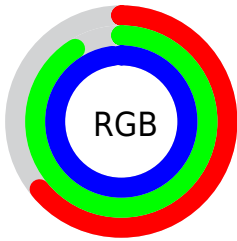
Format	Color
R <sub>YB</sub>	162, 201, 250
Decimal	10676218
CIE Lab	87.84, -16.93, -16.09
CIE LCh	88, 23.360, 223.545
Yxy	71.7353, 0.2600, 0.3071
Android (android.graphics.Color)	4288866298 (0xFFA2E7FA)
YUV	212.5350, 18.4702, -44.3192
Hunter-Lab	84.6967, -20.2227, -11.4997

# Details

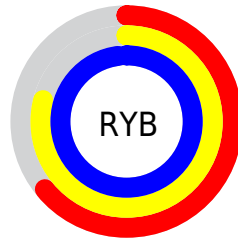
The Yxy color **71.7353, 0.2600, 0.3071** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **55.9956, 0.3901, 0.3496**, and the grayscale version is **66.1114, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8001, 0.2911, 0.3289**, and **37.6192, 0.2475, 0.3002** is the 20% darker color. If you saturate the color by 10%, you get **66.3955, 0.2468, 0.2998**, and if you desaturate by 10%, it is **77.6947, 0.2743, 0.3140**.

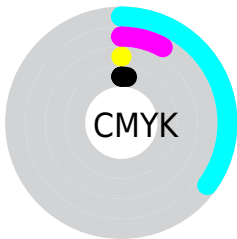
# Distribution



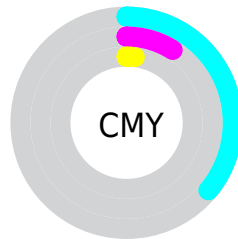
- Red (64%)
- Green (91%)
- Blue (98%)



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



- Cyan (35%)
- Magenta (8%)
- Yellow (0%)
- Black (2%)



- Cyan (36%)
- Magenta (9%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.7353, 0.2600, 0.3071 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 71.7353, 0.2600, 0.3071 by changing the saturation by 10% instead.




 71.7353, 0.2600,  
0.3071


 71.7353, 0.2600,  
0.3071


466.6198, 0.2840,  
0.3177

 52.9425, 0.2546,  
0.3046


 121.6801, 0.2682,  
0.3109

 37.7568, 0.2481,  
0.3014


 153.6009, 0.2714,  
0.3123

 25.7940, 0.2399,  
0.2974


190.6665, 0.2742,  
0.3135

 16.6696, 0.2294,  
0.2919

233.2612, 0.2767,  
0.3146

 9.9992, 0.2154,  
0.2844

281.7695, 0.2788,  
0.3155

 5.3984, 0.1959,  
0.2732

336.5758, 0.2807,

 2.4829, 0.1676,

0.3163

0.2553

398.0644, 0.2824,  
0.3170

0.8680, 0.1076,  
0.2268

0.0000, 0.0000,  
0.0000

71.7353, 0.2600,  
0.3071

71.7353, 0.2600,  
0.3071

66.3955, 0.2468,  
0.2998

77.6947, 0.2743,  
0.3140

61.6351, 0.2350,  
0.2921

84.2947, 0.2892,  
0.3203

57.4217, 0.2249,  
0.2842

91.5651, 0.3046,  
0.3262

53.7157, 0.2167,  
0.2762

98.1798, 0.3157,  
0.3315

■ 50.4711, 0.2105,  
0.2682

■ 99.6847, 0.3156,  
0.3337

■ 47.6314, 0.2062,  
0.2602

■ 46.3774, 0.2046,  
0.2564

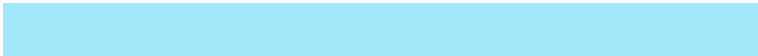
# Harmonies

## Analogous

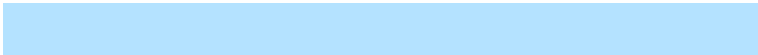
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.7353, 0.2706, 0.3328



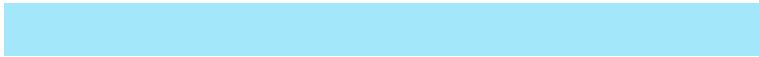
71.7353, 0.2600, 0.3071



71.7353, 0.2627, 0.2890

# Triad

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



71.7353, 0.2600, 0.3071



71.7353, 0.3320, 0.3017



71.7353, 0.3469, 0.3787

# Complementary

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



71.7353, 0.2600, 0.3071



55.9956, 0.3901, 0.3496

# 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.



71.7353, 0.3649, 0.3673



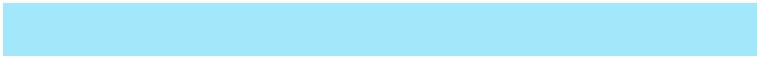
71.7353, 0.2600, 0.3071



71.7353, 0.3563, 0.3231

# Square

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



71.7353, 0.2600, 0.3071



71.7353, 0.3033, 0.2870



71.7353, 0.3685, 0.3468



71.7353, 0.3202, 0.3760

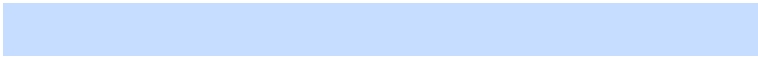


# Rectangle

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



71.7353, 0.2600, 0.3071



71.7353, 0.2717, 0.2831



71.7353, 0.3685, 0.3468



71.7353, 0.3542, 0.3763

# Sweetspot

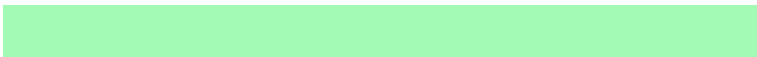
The Sweet Spot groups the original color and five complimentary colors.



71.7381, 0.2600, 0.3071



91.2544, 0.2957, 0.3229



79.3554, 0.2985, 0.4135



19.3144, 0.2936, 0.3221



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

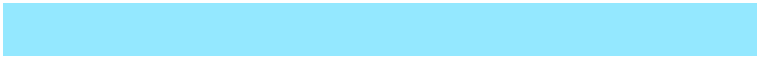


# Same Dimension

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



71.7381, 0.2600, 0.3071



71.1329, 0.2509, 0.3022



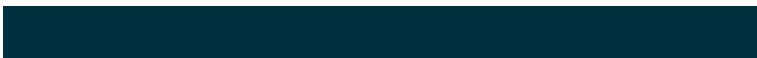
50.7218, 0.2529, 0.2554



18.9343, 0.2980, 0.3237



24.8109, 0.2049, 0.2577



2.4504, 0.2076, 0.2672



# Inverse Universe

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



51.9357, 0.3325, 0.2586



48.2259, 0.3375, 0.2453



76.0490, 0.3746, 0.3928



17.4565, 0.3171, 0.3106



12.9156, 0.3846, 0.1892

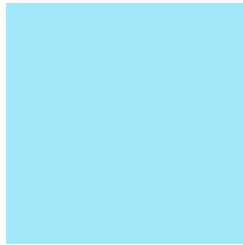


1.2116, 0.3754, 0.1842



# Previews

## White Background



This preview shows how the Yxy color 71.7353, 0.2600, 0.3071 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

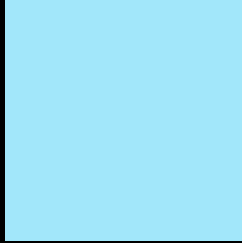
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.7353, 0.2600, 0.3071 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 71.7353, 0.2600, 0.3071**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.7353, 0.2600, 0.3071.

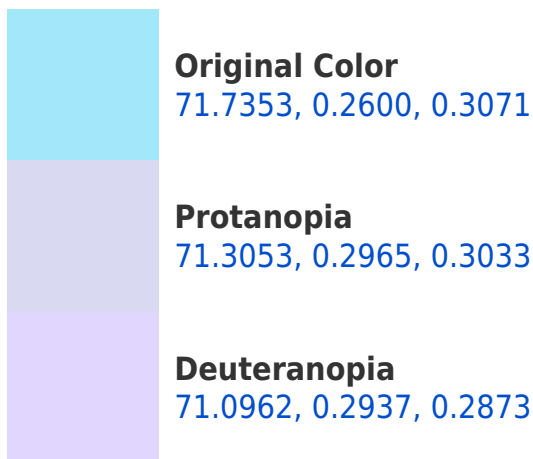


This preview shows how white text looks on a background with the Yxy color 71.7353, 0.2600, 0.3071.

# 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

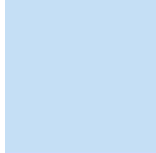
71.7353, 0.2600, 0.3071

# Trichromacy



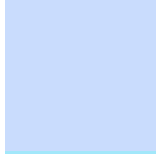
## Original Color

71.7353, 0.2600, 0.3071



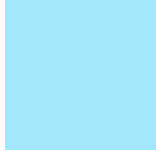
## Protanomaly

71.2382, 0.2818, 0.3047



## Deuteranomaly

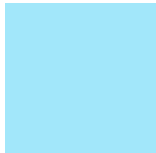
70.6958, 0.2796, 0.2932



## Tritanomaly

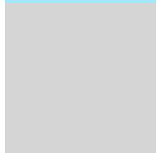
71.7353, 0.2600, 0.3071

# Monochromacy



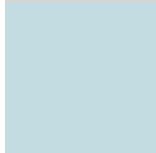
## Original Color

71.7353, 0.2600, 0.3071



## Achromatopsia

66.5387, 0.3127, 0.3290



## Achromatomaly

68.1467, 0.2910, 0.3221

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.7353, 0.2600, 0.3071 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, 231, 250)` looks like.

```
.text, #text, p{  
    color:rgb(162, 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(162, 231, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 231, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 71.7353, 0.2600, 0.3071 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, 231, 250) }
```

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

```
.border{ border-color:rgb(162, 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(162, 231, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 231, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 231, 250);  
box-shadow:4px 4px 4px 4px rgb(162, 231,  
250) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.7353, 0.2600, 0.3071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 231, 250) }
```

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

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