

Converting Colors

$Y_{xy}(71.2246, 0.2429, 0.3064)$

Have a look what the booklet for
Yxy(71.2246, 0.2429, 0.3064)
contains.

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Color

Yxy(71.0844, 0.2429, 0.3065)

Conversions

Conversions Part 1

Format	Color
Hex	7FEBFE
RGB	127, 235, 254
RGB Percent	50%, 92%, 100%
CMY	0.5024, 0.0783, 0.0040
CMYK	0.50, 0.07, 0.00, 0.00
HSL	189°, 98%, 75%
HSV	189°, 50%, 100%
XYZ	56.3341, 71.0844, 104.5045
YIQ	204.8740, -70.4670, -16.9870

Conversions

Conversions Part 2

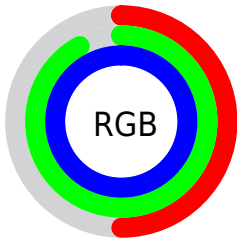
Format	Color
RYB	127, 185, 254
Decimal	8383486
CIELab	87.53, -26.23, -18.79
CIELCh	88, 32.269, 215.611
Yxy	71.0844, 0.2429, 0.3065
Android (android.graphics.Color)	4286573566 (0xFF7FEBFE)
YUV	204.8740, 24.2191, -68.2955
Hunter-Lab	84.3116, -28.2777, -14.4721

Details

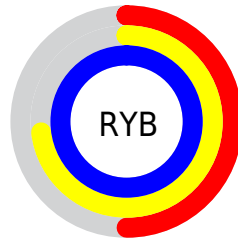
The Yxy color **71.0844, 0.2429, 0.3065** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **43.1066, 0.4449, 0.3490**, and the grayscale version is **60.8260, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3048, 0.2736, 0.3289**, and **37.3282, 0.2276, 0.3008** is the 20% darker color. If you saturate the color by 10%, you get **67.2318, 0.2328, 0.3013**, and if you desaturate by 10%, it is **75.4799, 0.2547, 0.3116**.

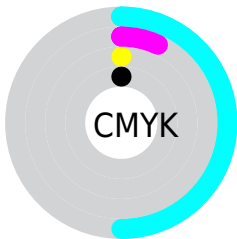
Distribution



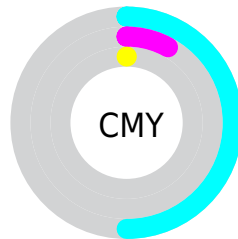
- Red (50%)
- Green (92%)
- Blue (100%)



- Red (50%)
- Yellow (73%)
- Blue (100%)



- Cyan (50%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)





- Cyan (50%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.0844, 0.2429, 0.3065 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 71.0844, 0.2429, 0.3065 by changing the saturation by 10% instead.


 71.0844, 0.2429,
0.3065


 71.0844, 0.2429,
0.3065


464.3484, 0.2744,
0.3178


 52.4111, 0.2359,
0.3037


 120.7539, 0.2537,
0.3106

 37.3328, 0.2274,
0.3003


 152.5189, 0.2579,
0.3121

 25.4653, 0.2169,
0.2957


 189.4165, 0.2616,
0.3134

 16.4241, 0.2035,
0.2896

231.8312, 0.2648,
0.3145

 9.8247, 0.1859,
0.2809

280.1473, 0.2676,
0.3155

 5.2829, 0.1620,
0.2678

334.7493, 0.2701,

 2.4142, 0.1285,

0.3164

0.2467

396.0215, 0.2724,
0.3171

0.8332, 0.0395,
0.2175

0.0000, 0.0000,
0.0000

71.0844, 0.2429,
0.3065

71.0844, 0.2429,
0.3065

67.2318, 0.2328,
0.3013

75.4799, 0.2547,
0.3116

63.8760, 0.2245,
0.2959

80.4443, 0.2679,
0.3164

60.9762, 0.2182,
0.2905

86.0112, 0.2821,
0.3209

58.4808, 0.2138,
0.2852

92.2094, 0.2972,
0.3251

■ 56.3142, 0.2111,
0.2799

99.0655, 0.3126,
0.3290

99.9349, 0.3133,
0.3300

Harmonies

Analogous

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



71.0844, 0.2613, 0.3440



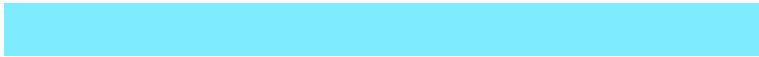
71.0844, 0.2429, 0.3065



71.0844, 0.2419, 0.2787

Triad

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



71.0844, 0.2429, 0.3065



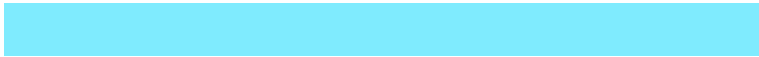
71.0844, 0.3286, 0.2855



71.0844, 0.3676, 0.3951

Complementary

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



71.0844, 0.2429, 0.3065



43.1066, 0.4449, 0.3490

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.



71.0844, 0.3884, 0.3741



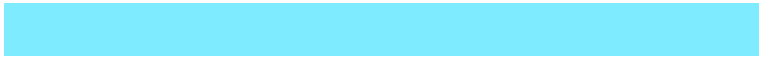
71.0844, 0.2429, 0.3065



71.0844, 0.3655, 0.3122

Square

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



71.0844, 0.2429, 0.3065



71.0844, 0.2893, 0.2689



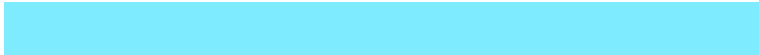
71.0844, 0.3879, 0.3439



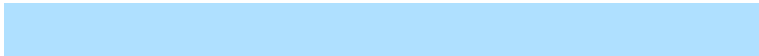
71.0844, 0.3327, 0.3982

Rectangle

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



71.0844, 0.2429, 0.3065



71.0844, 0.2510, 0.2685



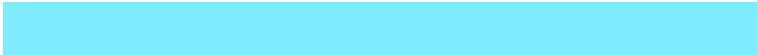
71.0844, 0.3879, 0.3439



71.0844, 0.3766, 0.3897

Sweetspot

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



71.0871, 0.2429, 0.3065



89.8663, 0.2896, 0.3231



77.3858, 0.2977, 0.4683



18.9558, 0.2865, 0.3222



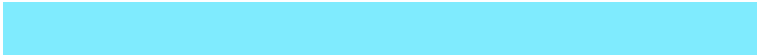
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



71.0871, 0.2429, 0.3065



67.8556, 0.2328, 0.3013



41.7311, 0.2276, 0.2280



19.9923, 0.2980, 0.3254



29.8665, 0.2113, 0.2808



3.0279, 0.2130, 0.2869

Inverse Universe

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



42.2152, 0.3355, 0.2233



36.5988, 0.3413, 0.2062



67.4074, 0.4091, 0.4110



18.2510, 0.3161, 0.3090



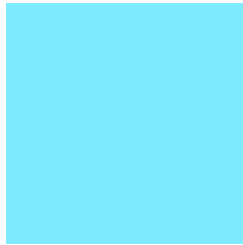
13.7430, 0.3627, 0.1772



1.3502, 0.3572, 0.1741

Previews

White Background



This preview shows how the Yxy color 71.0844, 0.2429, 0.3065 looks on a white background.

Color Contrast Check

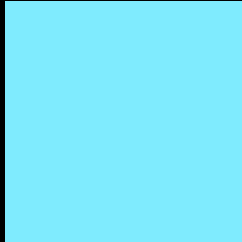
Large Text (above 18pt) WCAG AA × Fail

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 71.0844, 0.2429, 0.3065 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 71.0844, 0.2429, 0.3065

Background



This preview shows how black text looks on a background with the Yxy color 71.0844, 0.2429, 0.3065.

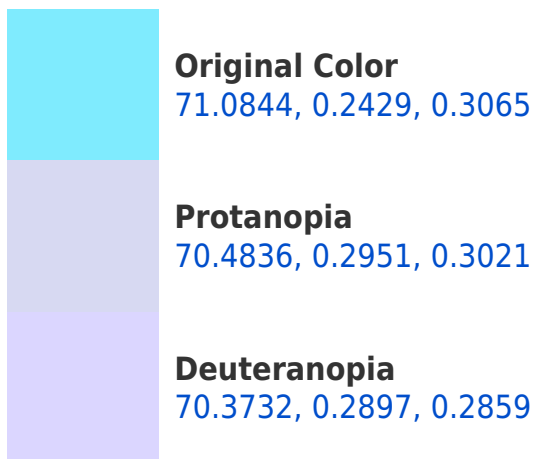


This preview shows how white text looks on a background with the Yxy color 71.0844, 0.2429, 0.3065.

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

71.0844, 0.2429, 0.3065

Trichromacy



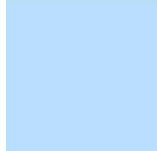
Original Color

71.0844, 0.2429, 0.3065



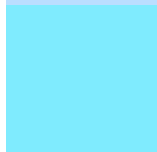
Protanomaly

70.0324, 0.2728, 0.3042



Deuteranomaly

69.9017, 0.2695, 0.2924



Tritanomaly

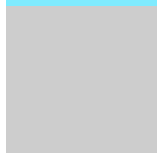
71.0844, 0.2429, 0.3065

Monochromacy



Original Color

71.0844, 0.2429, 0.3065



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

63.7866, 0.2815, 0.3206

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.0844, 0.2429, 0.3065 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(127, 235, 254)` looks like.

```
.text, #text, p{  
    color:rgb(127, 235, 254)  
}
```

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(127, 235, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 235, 254) }
```

Border

The CSS property to change the border of an element to Yxy 71.0844, 0.2429, 0.3065 is called "border". The border property can be set on classes, ids or directly on the HTML element.

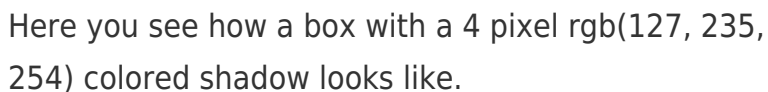
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(127, 235, 254) }
```

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

```
.border{ border-color:rgb(127, 235, 254) }
```

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



Here you see how a box with a 4 pixel `rgb(127, 235, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 235, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 235, 254);  
box-shadow:4px 4px 4px 4px rgb(127, 235,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 71.0844, 0.2429, 0.3065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 235, 254) }
```

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

```
.background{ background-color: rgb(127,  
235, 254) }
```

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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