

Converting Colors

$Y_{xy}(73.2290, 0.2366, 0.2886)$

Have a look what the booklet for
Yxy(73.2290, 0.2366, 0.2886)
contains.

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Color

Yxy(71.8780, 0.2435, 0.3066)

Conversions

Conversions Part 1

Format	Color
Hex	81ECFF
RGB	129, 236, 255
RGB Percent	51%, 93%, 100%
CMY	0.4946, 0.0744, 0.0000
CMYK	0.49, 0.07, 0.00, 0.00
HSL	189°, 100%, 75%
HSV	189°, 49%, 100%
XYZ	57.0851, 71.8780, 105.4726
YIQ	206.1730, -69.8710, -16.7750

Conversions

Conversions Part 2

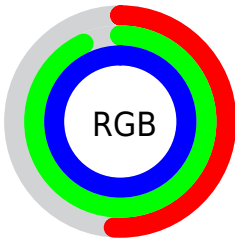
Format	Color
R _Y B	129, 187, 255
Decimal	8514815
CIE Lab	87.91, -26.03, -18.73
CIE LCh	88, 32.072, 215.743
Yxy	71.8780, 0.2435, 0.3066
Android (android.graphics.Color)	4286704895 (0xFF81ECFF)
YUV	206.1730, 24.0717, -67.6807
Hunter-Lab	84.7809, -28.1780, -14.4138

Details

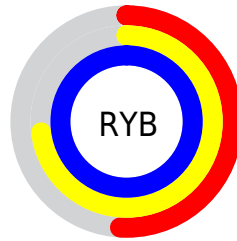
The Yxy color **71.8780, 0.2435, 0.3066** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **43.9795, 0.4425, 0.3490**, and the grayscale version is **61.6988, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5588, 0.2747, 0.3289**, and **37.8780, 0.2285, 0.3010** is the 20% darker color. If you saturate the color by 10%, you get **67.9424, 0.2333, 0.3013**, and if you desaturate by 10%, it is **76.3644, 0.2554, 0.3117**.

Distribution



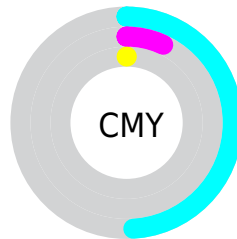
- Red (51%)
- Green (93%)
- Blue (100%)



- Red (51%)
- Yellow (73%)
- Blue (100%)



- Cyan (49%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)





- Cyan (49%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.8780, 0.2435, 0.3066 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 71.8780, 0.2435, 0.3066 by changing the saturation by 10% instead.


 71.8780, 0.2435,
0.3066

 71.8780, 0.2435,
0.3066


467.1169, 0.2747,
0.3178


 53.0590, 0.2366,
0.3039

 121.8831, 0.2541,
0.3106

 37.8499, 0.2282,
0.3004


 153.8379, 0.2583,
0.3122

 25.8662, 0.2178,
0.2959


 190.9402, 0.2620,
0.3134

 16.7236, 0.2046,
0.2899

233.5743, 0.2651,
0.3146

 10.0376, 0.1872,
0.2813

282.1247, 0.2680,
0.3155

 5.4239, 0.1638,
0.2686

336.9756, 0.2705,

 2.4981, 0.1308,

0.3164

0.2479

398.5115, 0.2727,
0.3171

0.8757, 0.0491,
0.2186

0.0000, 0.0000,
0.0000

71.8780, 0.2435,
0.3066

71.8780, 0.2435,
0.3066

67.9424, 0.2333,
0.3013

76.3644, 0.2554,
0.3117

64.5116, 0.2249,
0.2959

81.4278, 0.2687,
0.3166

61.5446, 0.2184,
0.2905

87.1021, 0.2830,
0.3211

58.9900, 0.2139,
0.2851

93.4162, 0.2981,
0.3253

■ 56.7680, 0.2111,
0.2798

100.0000, 0.3127,
0.3290

■ 56.6517, 0.2110,
0.2795

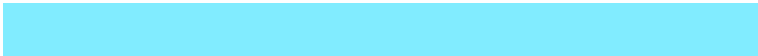
Harmonies

Analogous

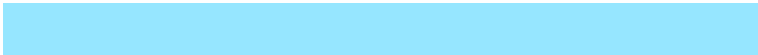
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.8780, 0.2617, 0.3437



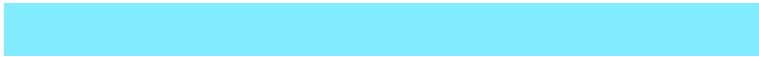
71.8780, 0.2435, 0.3066



71.8780, 0.2426, 0.2791

Triad

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



71.8780, 0.2435, 0.3066



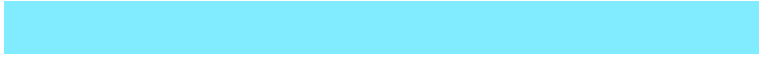
71.8780, 0.3287, 0.2860



71.8780, 0.3670, 0.3945

Complementary

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



71.8780, 0.2435, 0.3066



43.9795, 0.4425, 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.



71.8780, 0.3876, 0.3739



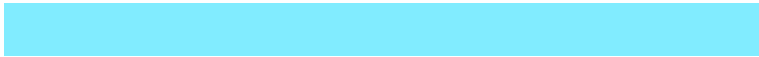
71.8780, 0.2435, 0.3066



71.8780, 0.3652, 0.3125

Square

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



71.8780, 0.2435, 0.3066



71.8780, 0.2897, 0.2695



71.8780, 0.3872, 0.3439



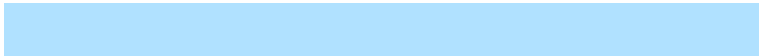
71.8780, 0.3323, 0.3975

Rectangle

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



71.8780, 0.2435, 0.3066



71.8780, 0.2516, 0.2690



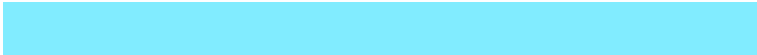
71.8780, 0.3872, 0.3439



71.8780, 0.3759, 0.3892

Sweetspot

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



71.8807, 0.2435, 0.3066



89.8354, 0.2896, 0.3231



78.3100, 0.2969, 0.4638



18.9483, 0.2865, 0.3222



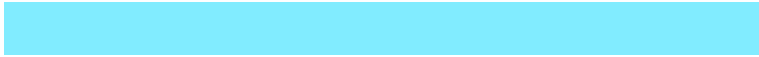
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

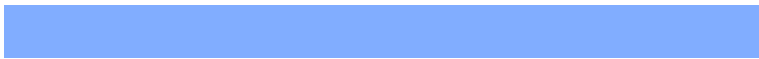
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.8807, 0.2435, 0.3066



68.1109, 0.2337, 0.3016



41.7751, 0.2281, 0.2267



19.9881, 0.2980, 0.3253



29.7783, 0.2112, 0.2804



3.0202, 0.2129, 0.2865

Inverse Universe

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



42.9877, 0.3354, 0.2245



37.1183, 0.3409, 0.2079



69.3609, 0.4067, 0.4121



18.2506, 0.3161, 0.3090



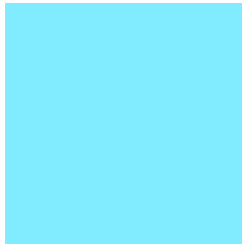
13.7341, 0.3631, 0.1774



1.3494, 0.3575, 0.1743

Previews

White Background



This preview shows how the Yxy color 71.8780, 0.2435, 0.3066 looks on a white background.

Color Contrast Check

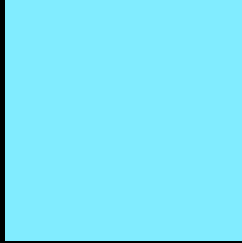
Large Text (above 18pt) WCAG AA × Fail

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 71.8780, 0.2435, 0.3066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

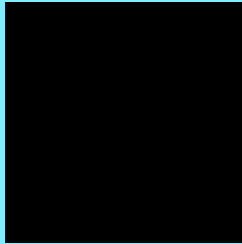
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.8780, 0.2435, 0.3066

Background



This preview shows how black text looks on a background with the Yxy color 71.8780, 0.2435, 0.3066.

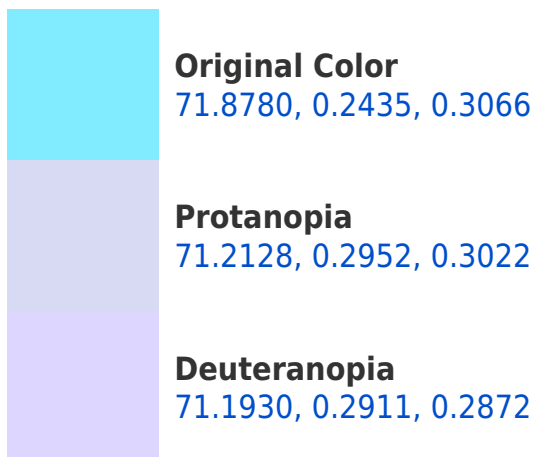


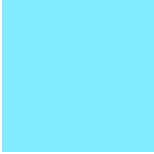
This preview shows how white text looks on a background with the Yxy color 71.8780, 0.2435, 0.3066.

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

71.8780, 0.2435, 0.3066

Trichromacy



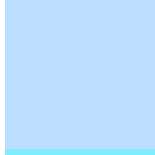
Original Color

71.8780, 0.2435, 0.3066



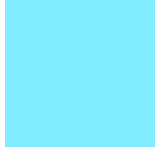
Protanomaly

70.7562, 0.2730, 0.3043



Deuteranomaly

70.6867, 0.2708, 0.2937



Tritanomaly

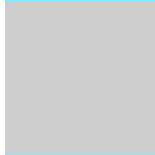
71.8780, 0.2435, 0.3066

Monochromacy



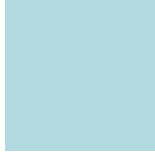
Original Color

71.8780, 0.2435, 0.3066



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

64.4725, 0.2816, 0.3206

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.8780, 0.2435, 0.3066 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(129, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(129, 236, 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(129, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 236, 255) }
```

Border

The CSS property to change the border of an element to Yxy 71.8780, 0.2435, 0.3066 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(129, 236, 255) }
```

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

```
.border{ border-color:rgb(129, 236, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 236, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 236, 255); box-shadow:4px 4px 4px 4px rgb(129, 236, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 71.8780, 0.2435, 0.3066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 236, 255) }
```

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

```
.background{ background-color: rgb(129,  
236, 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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