

Converting Colors

$Y_{xy}(67.9373, 0.2432, 0.3030)$

Have a look what the booklet for
Yxy(67.9373, 0.2432, 0.3030)
contains.

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Color

Yxy(68.1479, 0.2435, 0.3038)

Conversions

Conversions Part 1

Format	Color
Hex	80E6FB
RGB	128, 230, 251
RGB Percent	50%, 90%, 98%
CMY	0.4977, 0.0981, 0.0156
CMYK	0.49, 0.08, 0.00, 0.02
HSL	190°, 94%, 74%
HSV	190°, 49%, 98%
XYZ	54.6215, 68.1479, 101.5489
YIQ	201.8960, -67.5330, -15.0930

Conversions

Conversions Part 2

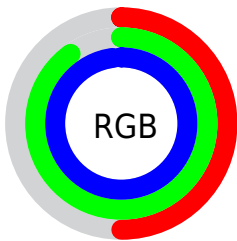
Format	Color
RYB	128, 184, 251
Decimal	8447739
CIELab	86.08, -24.30, -19.40
CIELCh	86, 31.099, 218.605
Yxy	68.1479, 0.2435, 0.3038
Android (android.graphics.Color)	4286637819 (0xFF80E6FB)
YUV	201.8960, 24.2083, -64.8068
Hunter-Lab	82.5517, -26.3585, -15.1478

Details

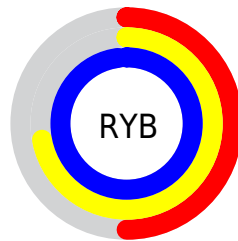
The Yxy color **68.1479, 0.2435, 0.3038** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **43.5996, 0.4390, 0.3515**, and the grayscale version is **58.8861, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3048, 0.2736, 0.3289**, and **35.3254, 0.2281, 0.2972** is the 20% darker color. If you saturate the color by 10%, you get **64.0779, 0.2329, 0.2978**, and if you desaturate by 10%, it is **72.7634, 0.2557, 0.3096**.

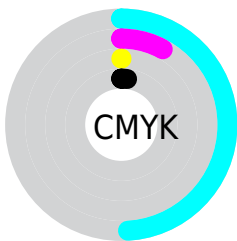
Distribution



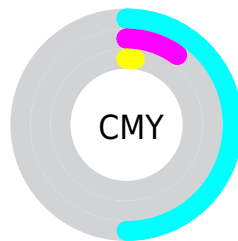
- Red (50%)
- Green (90%)
- Blue (98%)



- Red (50%)
- Yellow (72%)
- Blue (98%)



- Cyan (49%)
- Magenta (8%)
- Yellow (0%)
- Black (2%)




- Cyan (50%)
- Magenta (10%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.1479, 0.2435, 0.3038 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 68.1479, 0.2435, 0.3038 by changing the saturation by 10% instead.

 68.1479, 0.2435,
0.3038


 68.1479, 0.2435,
0.3038


454.0199, 0.2750,
0.3164

 50.0181, 0.2365,
0.3007


 116.5637, 0.2543,
0.3083

 35.4278, 0.2279,
0.2969

 147.6185, 0.2585,
0.3100

 23.9926, 0.2172,
0.2918


 183.7503, 0.2622,
0.3115

 15.3281, 0.2036,
0.2850

225.3437, 0.2654,
0.3127

 9.0500, 0.1856,
0.2753

272.7829, 0.2682,
0.3138

 4.7738, 0.1610,
0.2608

326.4524, 0.2707,

 2.1152, 0.1262,

0.3148

0.2372

386.7366, 0.2730,
0.3156

0.6731, 0.0141,
0.2038

0.0000, 0.0000,
0.0000

68.1479, 0.2435,
0.3038

68.1479, 0.2435,
0.3038

64.0779, 0.2329,
0.2978

72.7634, 0.2557,
0.3096

60.5090, 0.2241,
0.2916

77.9494, 0.2692,
0.3151

57.4022, 0.2173,
0.2853

83.7387, 0.2837,
0.3203

54.7081, 0.2124,
0.2791

90.1589, 0.2988,
0.3251

■ 52.3540, 0.2093,
0.2730

■ 97.2360, 0.3143,
0.3294

■ 52.1218, 0.2090,
0.2724

■ 99.7457, 0.3150,
0.3328

Harmonies

Analogous

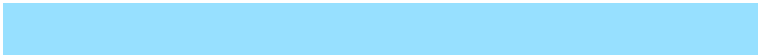
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.1479, 0.2599, 0.3399



68.1479, 0.2435, 0.3038



68.1479, 0.2442, 0.2779

Triad

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



68.1479, 0.2435, 0.3038



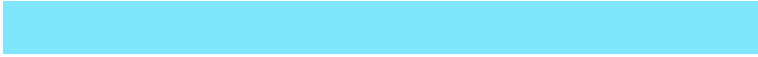
68.1479, 0.3322, 0.2887



68.1479, 0.3635, 0.3948

Complementary

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



68.1479, 0.2435, 0.3038



43.5996, 0.4390, 0.3515

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.



68.1479, 0.3855, 0.3758



68.1479, 0.2435, 0.3038



68.1479, 0.3673, 0.3156

Square

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



68.1479, 0.2435, 0.3038



68.1479, 0.2934, 0.2712



68.1479, 0.3873, 0.3468



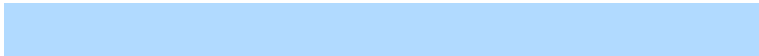
68.1479, 0.3285, 0.3957

Rectangle

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



68.1479, 0.2435, 0.3038



68.1479, 0.2542, 0.2689



68.1479, 0.3873, 0.3468



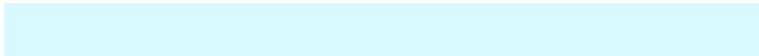
68.1479, 0.3727, 0.3901

Sweetspot

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



68.1505, 0.2435, 0.3038



89.3513, 0.2896, 0.3223



75.7528, 0.2960, 0.4595



18.8307, 0.2864, 0.3212



0.0000, 0.0000, 0.0000



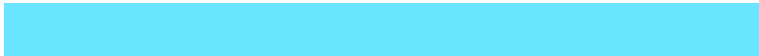
21.4041, 0.3127, 0.3290

Same Dimension

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



68.1505, 0.2435, 0.3038



66.3871, 0.2328, 0.2977



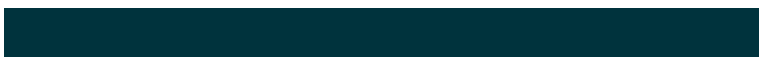
39.9599, 0.2285, 0.2253



19.0738, 0.2980, 0.3248



27.5843, 0.2093, 0.2734



2.6837, 0.2113, 0.2808

Inverse Universe

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



41.6844, 0.3375, 0.2276



36.9442, 0.3440, 0.2103



68.1824, 0.4045, 0.4132



17.4706, 0.3164, 0.3096



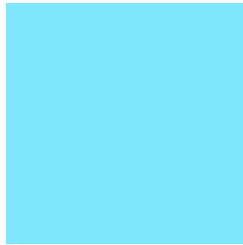
13.1956, 0.3696, 0.1810



1.2352, 0.3628, 0.1772

Previews

White Background



This preview shows how the Yxy color 68.1479, 0.2435, 0.3038 looks on a white background.

Color Contrast Check

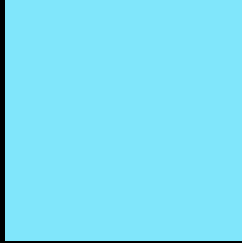
Large Text (above 18pt) WCAG AA × Fail

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 68.1479, 0.2435, 0.3038 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 68.1479, 0.2435, 0.3038

Background



This preview shows how black text looks on a background with the Yxy color 68.1479, 0.2435, 0.3038.

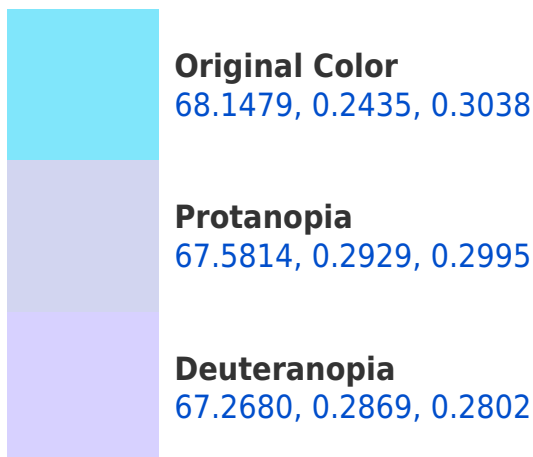


This preview shows how white text looks on a background with the Yxy color 68.1479, 0.2435, 0.3038.

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

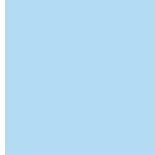
67.9452, 0.2439, 0.3061

Trichromacy



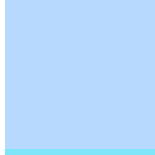
Original Color

68.1479, 0.2435, 0.3038



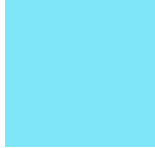
Protanomaly

66.8980, 0.2716, 0.3004



Deuteranomaly

66.8487, 0.2677, 0.2876



Tritanomaly

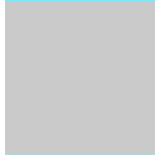
68.0078, 0.2435, 0.3049

Monochromacy



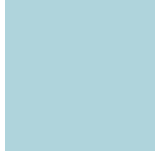
Original Color

68.1479, 0.2435, 0.3038



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

61.3682, 0.2817, 0.3193

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.1479, 0.2435, 0.3038 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(128, 230, 251)` looks like.

```
.text, #text, p{  
    color:rgb(128, 230, 251)  
}
```

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(128, 230, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 230, 251) }
```

Border

The CSS property to change the border of an element to Yxy 68.1479, 0.2435, 0.3038 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(128, 230, 251) }
```

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

```
.border{ border-color:rgb(128, 230, 251) }
```

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

Here you see how a box with a 4 pixel rgb(128, 230, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 230, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 230, 251);  
box-shadow:4px 4px 4px 4px rgb(128, 230,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 68.1479, 0.2435, 0.3038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 230, 251) }
```

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

```
.background{ background-color: rgb(128,  
230, 251) }
```

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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