

Converting Colors

$Y_{xy}(70.0370, 0.2442, 0.3022)$

Have a look what the booklet for
Yxy(70.0370, 0.2442, 0.3022)
contains.

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Color

Yxy(69.9198, 0.2443, 0.3019)

Conversions

Conversions Part 1

Format	Color
Hex	85E8FF
RGB	133, 232, 255
RGB Percent	52%, 91%, 100%
CMY	0.4783, 0.0902, 0.0001
CMYK	0.48, 0.09, 0.00, 0.00
HSL	191°, 100%, 76%
HSV	191°, 48%, 100%
XYZ	56.5797, 69.9198, 105.0997
YIQ	205.0210, -66.3870, -13.8350

Conversions

Conversions Part 2

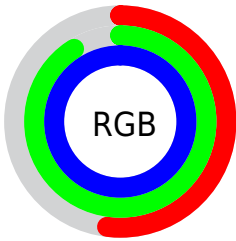
Format	Color
R_{YB}	133, 188, 255
Decimal	8775935
CIE _{Lab}	86.96, -23.17, -20.14
CIE _{LCh}	87, 30.705, 220.997
Yxy	69.9198, 0.2443, 0.3019
Android (android.graphics.Color)	4286966015 (0xFF85E8FF)
YUV	205.0210, 24.6396, -63.1624
Hunter-Lab	83.6181, -25.5506, -15.9891

Details

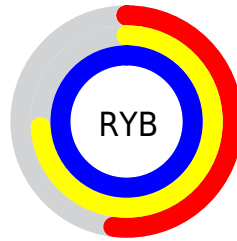
The Yxy color **69.9198, 0.2443, 0.3019** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **46.7297, 0.4336, 0.3532**, and the grayscale version is **60.9422, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.9465, 0.2762, 0.3289**, and **36.5056, 0.2292, 0.2947** is the 20% darker color. If you saturate the color by 10%, you get **65.4246, 0.2333, 0.2952**, and if you desaturate by 10%, it is **74.9979, 0.2569, 0.3083**.

Distribution



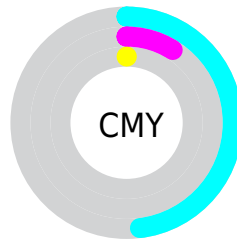
- Red (52%)
- Green (91%)
- Blue (100%)



- Red (52%)
- Yellow (74%)
- Blue (100%)



- Cyan (48%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)





- Cyan (48%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.9198, 0.2443, 0.3019 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 69.9198, 0.2443, 0.3019 by changing the saturation by 10% instead.

 69.9198, 0.2443,
0.3019


 69.9198, 0.2443,
0.3019

460.2684, 0.2753,
0.3153

 51.4612, 0.2374,
0.2987


 119.0944, 0.2549,
0.3067

 36.5757, 0.2290,
0.2946


 150.5791, 0.2591,
0.3085

 24.8792, 0.2186,
0.2894


 187.1746, 0.2627,
0.3100

 15.9871, 0.2053,
0.2824

229.2654, 0.2658,
0.3114

 9.5150, 0.1879,
0.2725

277.2357, 0.2686,
0.3125

 5.0786, 0.1641,
0.2579

331.4701, 0.2711,

 2.2935, 0.1307,

0.3136

392.3528, 0.2733,
0.3145

0.2346

0.7702, 0.0434,
0.2008

0.0000, 0.0000,
0.0000

69.9198, 0.2443,
0.3019

69.9198, 0.2443,
0.3019

65.4246, 0.2333,
0.2952

74.9979, 0.2569,
0.3083

61.4668, 0.2240,
0.2884

80.6848, 0.2706,
0.3144

58.0061, 0.2167,
0.2814

87.0143, 0.2853,
0.3200

54.9922, 0.2114,
0.2745

94.0151, 0.3006,
0.3253

■ 52.3582, 0.2079,
0.2677

99.9984, 0.3127,
0.3290

■ 51.8145, 0.2073,
0.2662

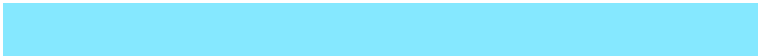
Harmonies

Analogous

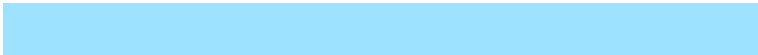
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.9198, 0.2592, 0.3367



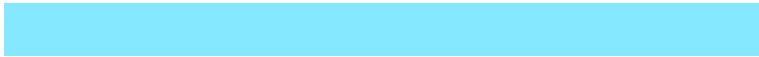
69.9198, 0.2443, 0.3019



69.9198, 0.2464, 0.2776

Triad

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



69.9198, 0.2443, 0.3019



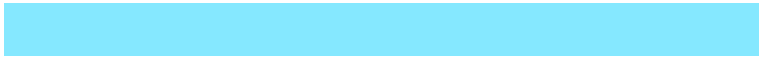
69.9198, 0.3348, 0.2913



69.9198, 0.3601, 0.3943

Complementary

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



69.9198, 0.2443, 0.3019



46.7297, 0.4336, 0.3532

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.



69.9198, 0.3830, 0.3769



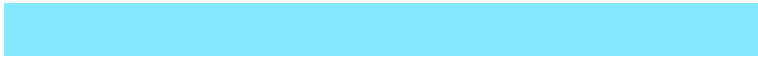
69.9198, 0.2443, 0.3019



69.9198, 0.3684, 0.3183

Square

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



69.9198, 0.2443, 0.3019



69.9198, 0.2967, 0.2733



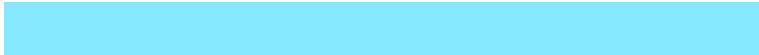
69.9198, 0.3864, 0.3489



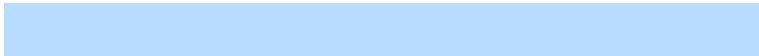
69.9198, 0.3252, 0.3933

Rectangle

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



69.9198, 0.2443, 0.3019



69.9198, 0.2570, 0.2695



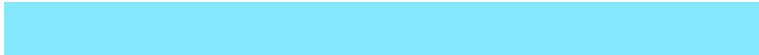
69.9198, 0.3864, 0.3489



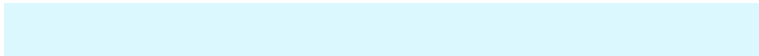
69.9198, 0.3695, 0.3902

Sweetspot

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



69.9225, 0.2443, 0.3019



89.6302, 0.2911, 0.3221



78.8736, 0.2954, 0.4534



18.8683, 0.2878, 0.3209



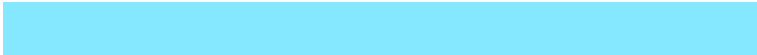
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



69.9225, 0.2443, 0.3019



65.7886, 0.2341, 0.2958



41.5798, 0.2300, 0.2255



19.8653, 0.2980, 0.3244



27.2883, 0.2076, 0.2674



2.8001, 0.2098, 0.2752

Inverse Universe

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



43.8665, 0.3388, 0.2315



37.9166, 0.3453, 0.2156



72.2469, 0.4011, 0.4133



18.2382, 0.3167, 0.3099



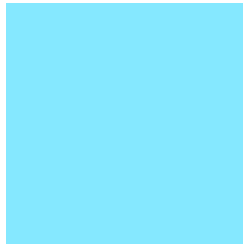
13.4827, 0.3753, 0.1841



1.3272, 0.3680, 0.1801

Previews

White Background



This preview shows how the Yxy color 69.9198, 0.2443, 0.3019 looks on a white background.

Color Contrast Check

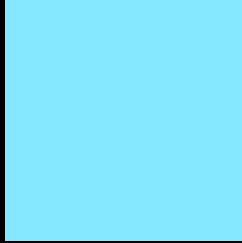
Large Text (above 18pt) WCAG AA × Fail

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 69.9198, 0.2443, 0.3019 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 69.9198, 0.2443, 0.3019

Background



This preview shows how black text looks on a background with the Yxy color 69.9198, 0.2443, 0.3019.

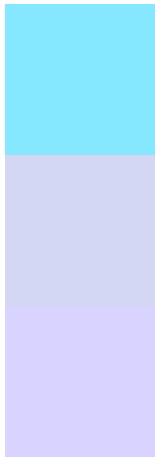


This preview shows how white text looks on a background with the Yxy color 69.9198, 0.2443, 0.3019.

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



Original Color

69.9198, 0.2443, 0.3019

Protanopia

69.1296, 0.2918, 0.2976

Deuteranopia

69.0587, 0.2883, 0.2836



Tritanopia

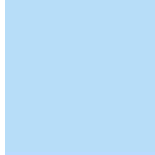
70.1484, 0.2458, 0.3076

Trichromacy



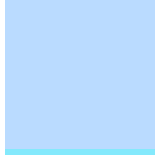
Original Color

69.9198, 0.2443, 0.3019



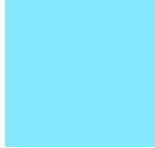
Protanomaly

68.5575, 0.2714, 0.2985



Deuteranomaly

68.3221, 0.2692, 0.2890



Tritanomaly

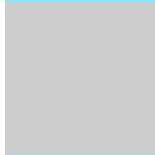
70.2116, 0.2454, 0.3064

Monochromacy



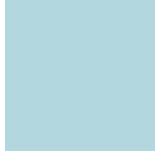
Original Color

69.9198, 0.2443, 0.3019



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

63.5123, 0.2827, 0.3194

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.9198, 0.2443, 0.3019 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(133, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(133, 232, 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(133, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 232, 255) }
```

Border

The CSS property to change the border of an element to Yxy 69.9198, 0.2443, 0.3019 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(133, 232, 255) }
```

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

```
.border{ border-color:rgb(133, 232, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(133, 232,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 69.9198, 0.2443, 0.3019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 232, 255) }
```

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

```
.background{ background-color: rgb(133,  
232, 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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