

Converting Colors

$Yxy(77.1752, 0.2198, 0.2294)$

Have a look what the booklet for
Yxy(77.1752, 0.2198, 0.2294)
contains.

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Color

Yxy(71.0442, 0.2500, 0.3023)

Conversions

Conversions Part 1

Format	Color
Hex	92E8FF
RGB	146, 232, 255
RGB Percent	57%, 91%, 100%
CMY	0.4276, 0.0901, 0.0000
CMYK	0.43, 0.09, 0.00, 0.00
HSL	193°, 100%, 79%
HSV	193°, 43%, 100%
XYZ	58.7531, 71.0442, 105.2150
YIQ	208.9080, -58.6390, -11.0790

Conversions

Conversions Part 2

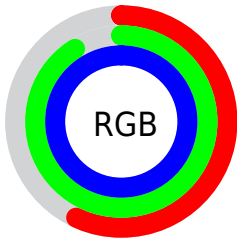
Format	Color
RYB	146, 194, 255
Decimal	9627903
CIELab	87.51, -20.22, -19.27
CIElCh	88, 27.933, 223.617
Yxy	71.0442, 0.2500, 0.3023
Android (android.graphics.Color)	4287817983 (0xFF92E8FF)
YUV	208.9080, 22.7234, -55.1703
Hunter-Lab	84.2877, -23.0794, -15.0093

Details

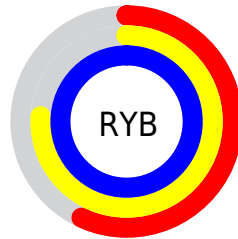
The Yxy color **71.0442, 0.2500, 0.3023** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **51.6842, 0.4144, 0.3534**, and the grayscale version is **63.5704, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5774, 0.2827, 0.3289**, and **37.2026, 0.2361, 0.2953** is the 20% darker color. If you saturate the color by 10%, you get **65.9863, 0.2379, 0.2949**, and if you desaturate by 10%, it is **76.7212, 0.2634, 0.3093**.

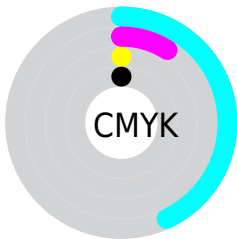
Distribution



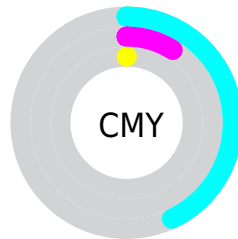
- Red (57%)
- Green (91%)
- Blue (100%)



- Red (57%)
- Yellow (76%)
- Blue (100%)



- Cyan (43%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)




- Cyan (43%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.0442, 0.2500, 0.3023 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 71.0442, 0.2500, 0.3023 by changing the saturation by 10% instead.

 71.0442, 0.2500,
0.3023


 71.0442, 0.2500,
0.3023


464.2079, 0.2784,
0.3153

 52.3783, 0.2437,
0.2992


 120.6967, 0.2597,
0.3069

 37.3067, 0.2360,
0.2953


 152.4520, 0.2635,
0.3087

 25.4450, 0.2264,
0.2903

189.3392, 0.2668,
0.3102

 16.4089, 0.2141,
0.2836

231.7428, 0.2697,
0.3115

 9.8140, 0.1980,
0.2743

280.0470, 0.2723,
0.3126

 5.2758, 0.1759,
0.2606

334.6364, 0.2746,

 2.4100, 0.1444,

0.3136

0.2389

395.8952, 0.2766,
0.3145

0.8310, 0.0734,
0.2058

0.0000, 0.0000,
0.0000

71.0442, 0.2500,
0.3023

71.0442, 0.2500,
0.3023

65.9863, 0.2379,
0.2949

76.7212, 0.2634,
0.3093

61.5032, 0.2274,
0.2873

83.0416, 0.2779,
0.3159

57.5577, 0.2188,
0.2795

90.0382, 0.2930,
0.3220

54.1033, 0.2122,
0.2716

97.7391, 0.3084,
0.3276

■ 51.0841, 0.2075,
0.2639

99.9994, 0.3127,
0.3290

■ 49.1109, 0.2051,
0.2583

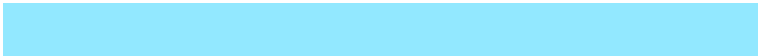
Harmonies

Analogous

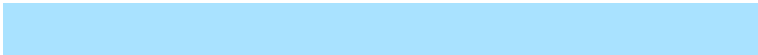
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.0442, 0.2623, 0.3332



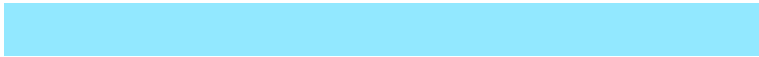
71.0442, 0.2500, 0.3023



71.0442, 0.2533, 0.2811

Triad

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



71.0442, 0.2500, 0.3023



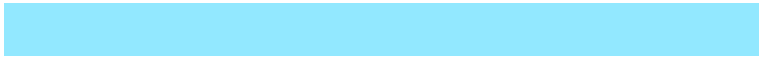
71.0442, 0.3358, 0.2966



71.0442, 0.3533, 0.3887

Complementary

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



71.0442, 0.2500, 0.3023



51.6842, 0.4144, 0.3534

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.



71.0442, 0.3752, 0.3745



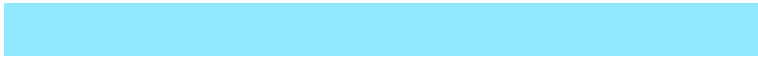
71.0442, 0.2500, 0.3023



71.0442, 0.3652, 0.3218

Square

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



71.0442, 0.2500, 0.3023



71.0442, 0.3013, 0.2792



71.0442, 0.3798, 0.3498



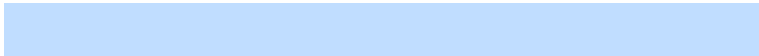
71.0442, 0.3213, 0.3859

Rectangle

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



71.0442, 0.2500, 0.3023



71.0442, 0.2639, 0.2744



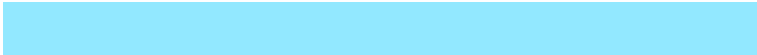
71.0442, 0.3798, 0.3498



71.0442, 0.3622, 0.3856

Sweetspot

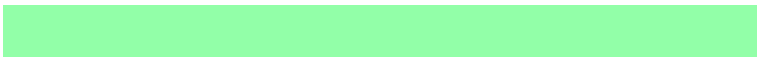
The Sweet Spot groups the original color and five complimentary colors.



71.0469, 0.2500, 0.3023



89.8692, 0.2926, 0.3219



80.4396, 0.2959, 0.4356



18.8932, 0.2892, 0.3206



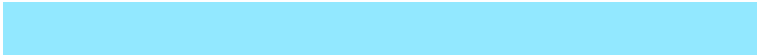
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



71.0469, 0.2500, 0.3023



66.8393, 0.2399, 0.2962



45.4336, 0.2389, 0.2362



19.7932, 0.2980, 0.3239



25.8882, 0.2054, 0.2596



2.6756, 0.2079, 0.2684

Inverse Universe

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



47.6299, 0.3375, 0.2433



41.4934, 0.3438, 0.2282



75.7241, 0.3898, 0.4064



18.2309, 0.3170, 0.3104



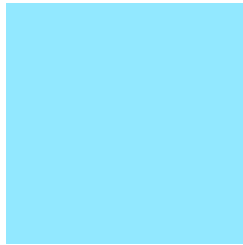
13.3414, 0.3828, 0.1882



1.3146, 0.3743, 0.1836

Previews

White Background



This preview shows how the Yxy color 71.0442, 0.2500, 0.3023 looks on a white background.

Color Contrast Check

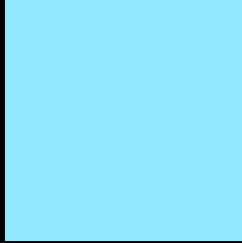
Large Text (above 18pt) WCAG AA × Fail

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 71.0442, 0.2500, 0.3023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

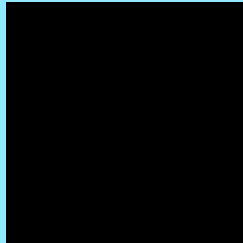
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.0442, 0.2500, 0.3023

Background



This preview shows how black text looks on a background with the Yxy color 71.0442, 0.2500, 0.3023.

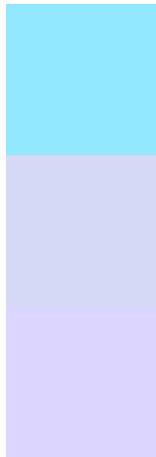


This preview shows how white text looks on a background with the Yxy color 71.0442, 0.2500, 0.3023.

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

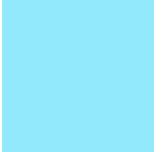
71.0442, 0.2500, 0.3023

Protanopia

70.5144, 0.2926, 0.2989

Deuteranopia

70.3732, 0.2897, 0.2859



Tritanopia

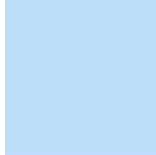
71.2626, 0.2516, 0.3079

Trichromacy



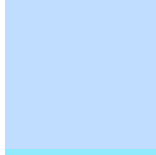
Original Color

71.0442, 0.2500, 0.3023



Protanomaly

69.9009, 0.2746, 0.2989



Deuteranomaly

70.1394, 0.2730, 0.2917



Tritanomaly

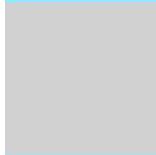
71.3258, 0.2511, 0.3068

Monochromacy



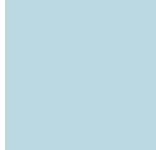
Original Color

71.0442, 0.2500, 0.3023



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

65.5558, 0.2856, 0.3185

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.0442, 0.2500, 0.3023 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(146, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(146, 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(146, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 232, 255) }
```

Border

The CSS property to change the border of an element to Yxy 71.0442, 0.2500, 0.3023 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(146, 232, 255) }
```

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

```
.border{ border-color:rgb(146, 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(146, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(146, 232,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 71.0442, 0.2500, 0.3023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 232, 255) }
```

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

```
.background{ background-color: rgb(146,  
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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