

Converting Colors

$Yxy(73.7761, 0.2286, 0.2570)$

Have a look what the booklet for
Yxy(73.7761, 0.2286, 0.2570)
contains.

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Color

Yxy(70.4222, 0.2469, 0.3021)

Conversions

Conversions Part 1

Format	Color
Hex	8BE8FF
RGB	139, 232, 255
RGB Percent	55%, 91%, 100%
CMY	0.4547, 0.0902, 0.0002
CMYK	0.45, 0.09, 0.00, 0.00
HSL	192°, 100%, 77%
HSV	192°, 45%, 100%
XYZ	57.5546, 70.4222, 105.1321
YIQ	206.8150, -62.8110, -12.5630

Conversions

Conversions Part 2

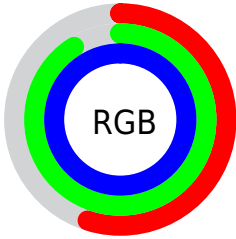
Format	Color
R_{YB}	139, 191, 255
Decimal	9169151
CIE _{Lab}	87.20, -21.83, -19.74
CIE _{LCh}	87, 29.433, 222.117
Yxy	70.4222, 0.2469, 0.3021
Android (android.graphics.Color)	4287359231 (0xFF8BE8FF)
YUV	206.8150, 23.7552, -59.4738
Hunter-Lab	83.9179, -24.4333, -15.5358

Details

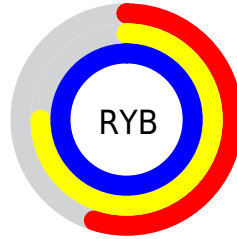
The Yxy color **70.4222, 0.2469, 0.3021** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.9626, 0.4244, 0.3533**, and the grayscale version is **62.1539, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.7458, 0.2794, 0.3289**, and **36.7901, 0.2320, 0.2949** is the 20% darker color. If you saturate the color by 10%, you get **65.6766, 0.2354, 0.2951**, and if you desaturate by 10%, it is **75.7666, 0.2599, 0.3088**.

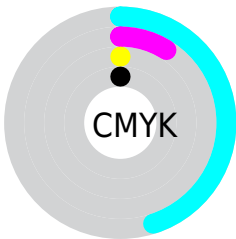
Distribution



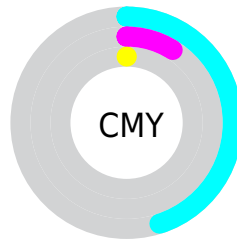
- Red (55%)
- Green (91%)
- Blue (100%)



- Red (55%)
- Yellow (75%)
- Blue (100%)



- Cyan (45%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)





- Cyan (45%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.4222, 0.2469, 0.3021 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 70.4222, 0.2469, 0.3021 by changing the saturation by 10% instead.


 70.4222, 0.2469,
0.3021


 70.4222, 0.2469,
0.3021


462.0310, 0.2767,
0.3153

 51.8708, 0.2403,
0.2989


 119.8106, 0.2571,
0.3068

 36.9021, 0.2322,
0.2950


 151.4165, 0.2611,
0.3086

 25.1317, 0.2222,
0.2898


188.1426, 0.2646,
0.3101

 16.1752, 0.2093,
0.2830

230.3734, 0.2676,
0.3114

 9.6482, 0.1925,
0.2734

278.4932, 0.2703,
0.3126

 5.1663, 0.1695,
0.2592

332.8865, 0.2727,

 2.3452, 0.1369,

0.3136

393.9376, 0.2748,
0.3145

0.2366

0.7975, 0.0573,
0.2032

0.0000, 0.0000,
0.0000

70.4222, 0.2469,
0.3021

70.4222, 0.2469,
0.3021

65.6766, 0.2354,
0.2951

75.7666, 0.2599,
0.3088

61.4851, 0.2256,
0.2879

81.7351, 0.2740,
0.3151

57.8088, 0.2177,
0.2806

88.3609, 0.2889,
0.3209

54.5994, 0.2117,
0.2733

95.6724, 0.3042,
0.3263

■ 51.7974, 0.2077,
0.2661

99.9974, 0.3127,
0.3290

■ 50.6213, 0.2063,
0.2628

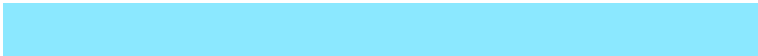
Harmonies

Analogous

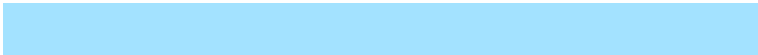
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.4222, 0.2606, 0.3351



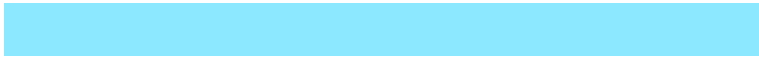
70.4222, 0.2469, 0.3021



70.4222, 0.2495, 0.2792

Triad

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



70.4222, 0.2469, 0.3021



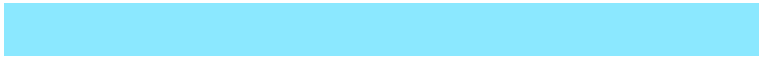
70.4222, 0.3353, 0.2937



70.4222, 0.3570, 0.3917

Complementary

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



70.4222, 0.2469, 0.3021



48.9626, 0.4244, 0.3533

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.



70.4222, 0.3794, 0.3758



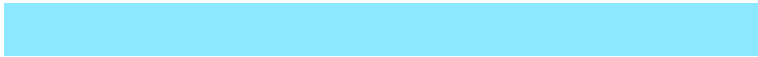
70.4222, 0.2469, 0.3021



70.4222, 0.3669, 0.3199

Square

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



70.4222, 0.2469, 0.3021



70.4222, 0.2988, 0.2760



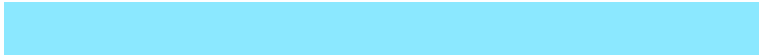
70.4222, 0.3834, 0.3493



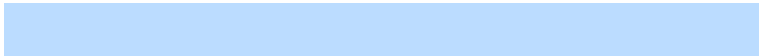
70.4222, 0.3234, 0.3899

Rectangle

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



70.4222, 0.2469, 0.3021



70.4222, 0.2601, 0.2717



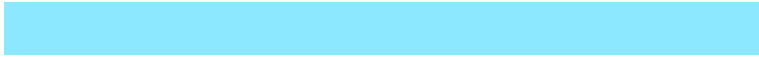
70.4222, 0.3834, 0.3493



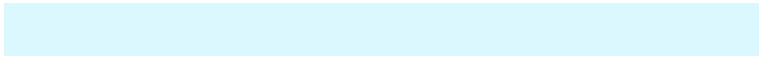
70.4222, 0.3662, 0.3881

Sweetspot

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



70.4249, 0.2469, 0.3021



89.4176, 0.2911, 0.3217



79.5366, 0.2960, 0.4461



18.8161, 0.2878, 0.3205



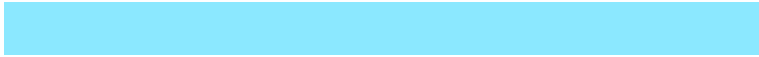
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



70.4249, 0.2469, 0.3021



65.9063, 0.2359, 0.2954



43.6662, 0.2343, 0.2316



19.8341, 0.2980, 0.3242



26.6757, 0.2067, 0.2640



2.7457, 0.2090, 0.2722

Inverse Universe

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



45.5591, 0.3382, 0.2369



39.0227, 0.3452, 0.2200



73.3937, 0.3962, 0.4094



18.2351, 0.3168, 0.3101



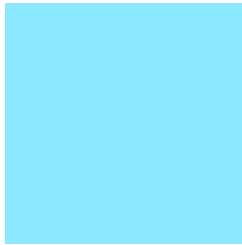
13.4209, 0.3785, 0.1859



1.3217, 0.3707, 0.1816

Previews

White Background



This preview shows how the Yxy color 70.4222, 0.2469, 0.3021 looks on a white background.

Color Contrast Check

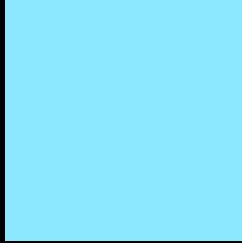
Large Text (above 18pt) WCAG AA × Fail

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 70.4222, 0.2469, 0.3021 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 70.4222, 0.2469, 0.3021

Background



This preview shows how black text looks on a background with the Yxy color 70.4222, 0.2469, 0.3021.

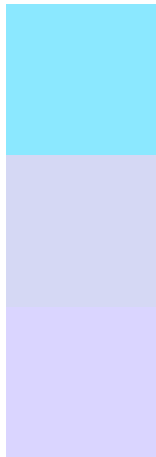


This preview shows how white text looks on a background with the Yxy color 70.4222, 0.2469, 0.3021.

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

70.4222, 0.2469, 0.3021

Protanopia

69.7895, 0.2925, 0.2988

Deuteranopia

69.7139, 0.2890, 0.2848



Tritanopia

70.6461, 0.2484, 0.3077

Trichromacy



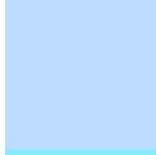
Original Color

70.4222, 0.2469, 0.3021



Protanomaly

69.4590, 0.2733, 0.2998



Deuteranomaly

69.2252, 0.2711, 0.2904



Tritanomaly

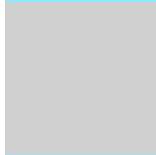
70.7094, 0.2480, 0.3066

Monochromacy



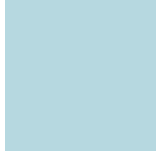
Original Color

70.4222, 0.2469, 0.3021



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

64.4386, 0.2841, 0.3195

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.4222, 0.2469, 0.3021 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(139, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(139, 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(139, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 232, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.4222, 0.2469, 0.3021 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(139, 232, 255) }
```

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

```
.border{ border-color:rgb(139, 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(139, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(139, 232,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 70.4222, 0.2469, 0.3021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 232, 255) }
```

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

```
.background{ background-color: rgb(139,  
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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