

Converting Colors

$Y_{xy}(71.4506, 0.2552, 0.3069)$

Have a look what the booklet for
Yxy(71.4506, 0.2552, 0.3069)
contains.

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Color

Yxy(71.4506, 0.2552, 0.3069)

Conversions

Conversions Part 1

Format	Color
Hex	99E8FB
RGB	153, 232, 251
RGB Percent	60%, 91%, 98%
CMY	0.3999, 0.0902, 0.0156
CMYK	0.39, 0.08, 0.00, 0.02
HSL	192°, 93%, 79%
HSV	192°, 39%, 98%
XYZ	59.4141, 71.4506, 101.9492
YIQ	210.5450, -53.1830, -10.8390

Conversions

Conversions Part 2

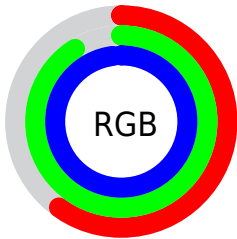
Format	Color
R_{YB}	153, 197, 251
Decimal	10086651
CIE _{Lab}	87.70, -19.48, -16.86
CIE _{LCh}	88, 25.765, 220.879
Yxy	71.4506, 0.2552, 0.3069
Android (android.graphics.Color)	4288276731 (0xFF99E8FB)
YUV	210.5450, 19.9443, -50.4670
Hunter-Lab	84.5285, -22.4591, -12.3394

Details

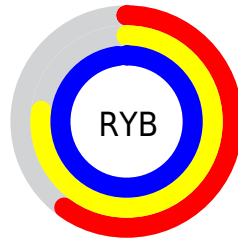
The Yxy color **71.4506, 0.2552, 0.3069** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **52.3476, 0.4028, 0.3496**, and the grayscale version is **64.7256, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **37.4325, 0.2422, 0.3014** is the 20% darker color. If you saturate the color by 10%, you get **66.5545, 0.2428, 0.3002**, and if you desaturate by 10%, it is **76.9422, 0.2689, 0.3132**.

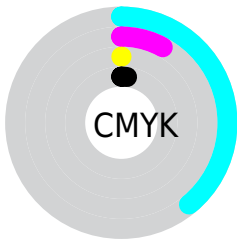
Distribution



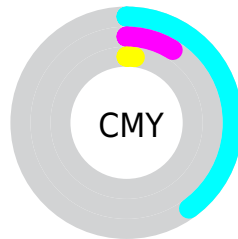
- Red (60%)
- Green (91%)
- Blue (98%)



- Red (60%)
- Yellow (77%)
- Blue (98%)



- Cyan (39%)
- Magenta (8%)
- Yellow (0%)
- Black (2%)



- Cyan (40%)
- Magenta (9%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.4506, 0.2552, 0.3069 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 71.4506, 0.2552, 0.3069 by changing the saturation by 10% instead.


 71.4506, 0.2552,
0.3069


 71.4506, 0.2552,
0.3069


465.6271, 0.2813,
0.3177

 52.7100, 0.2494,
0.3043


 121.2751, 0.2641,
0.3107

 37.5713, 0.2423,
0.3011


 153.1278, 0.2677,
0.3122

 25.6501, 0.2334,
0.2969


190.1200, 0.2707,
0.3135

 16.5621, 0.2220,
0.2913

232.6361, 0.2734,
0.3145

 9.9228, 0.2069,
0.2834

281.0604, 0.2757,
0.3155

 5.3478, 0.1861,
0.2717

335.7774, 0.2778,

 2.4527, 0.1560,

0.3163

0.2528

397.1715, 0.2796,
0.3170

0.8528, 0.0880,
0.2240

0.0000, 0.0000,
0.0000

71.4506, 0.2552,
0.3069

71.4506, 0.2552,
0.3069

66.5545, 0.2428,
0.3002

76.9422, 0.2689,
0.3132

62.2125, 0.2319,
0.2933

83.0513, 0.2835,
0.3191

58.3906, 0.2228,
0.2862

89.8086, 0.2987,
0.3245

55.0469, 0.2156,
0.2791

97.2402, 0.3142,
0.3295

■ 52.1318, 0.2105,
0.2719

■ 99.7469, 0.3150,
0.3328

■ 49.5718, 0.2070,
0.2649

■ 49.3348, 0.2067,
0.2642

Harmonies

Analogous

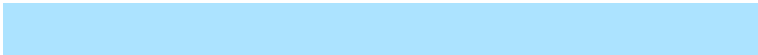
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.4506, 0.2680, 0.3358



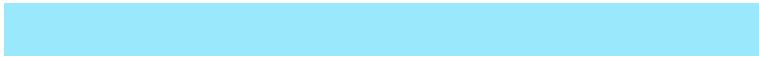
71.4506, 0.2552, 0.3069



71.4506, 0.2569, 0.2862

Triad

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



71.4506, 0.2552, 0.3069



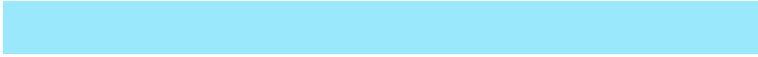
71.4506, 0.3312, 0.2972



71.4506, 0.3526, 0.3833

Complementary

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



71.4506, 0.2552, 0.3069



52.3476, 0.4028, 0.3496

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.



71.4506, 0.3713, 0.3694



71.4506, 0.2552, 0.3069



71.4506, 0.3589, 0.3201

Square

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



71.4506, 0.2552, 0.3069



71.4506, 0.2994, 0.2819



71.4506, 0.3739, 0.3461



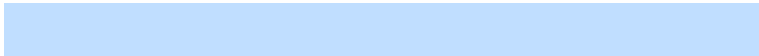
71.4506, 0.3236, 0.3821

Rectangle

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



71.4506, 0.2552, 0.3069



71.4506, 0.2659, 0.2791



71.4506, 0.3739, 0.3461



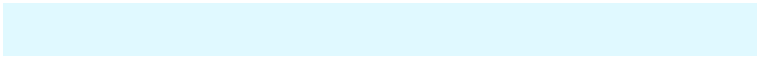
71.4506, 0.3603, 0.3801

Sweetspot

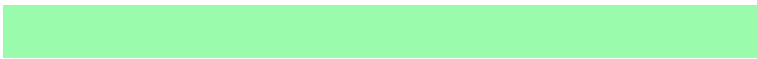
The Sweet Spot groups the original color and five complimentary colors.



71.4534, 0.2552, 0.3069



90.9175, 0.2941, 0.3230



78.7286, 0.2980, 0.4266



19.2615, 0.2922, 0.3223



0.0000, 0.0000, 0.0000



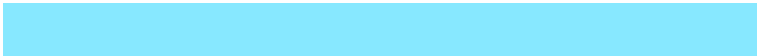
21.4041, 0.3127, 0.3290

Same Dimension

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



71.4534, 0.2552, 0.3069



69.9396, 0.2451, 0.3016



48.0519, 0.2462, 0.2479



19.0019, 0.2980, 0.3243



26.1331, 0.2071, 0.2654



2.5620, 0.2094, 0.2738

Inverse Universe

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



49.1351, 0.3334, 0.2491



44.4402, 0.3388, 0.2336



74.0011, 0.3828, 0.3982



17.4634, 0.3168, 0.3101



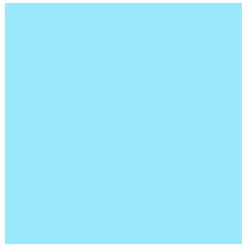
13.0491, 0.3772, 0.1852



1.2229, 0.3692, 0.1807

Previews

White Background



This preview shows how the Yxy color 71.4506, 0.2552, 0.3069 looks on a white background.

Color Contrast Check

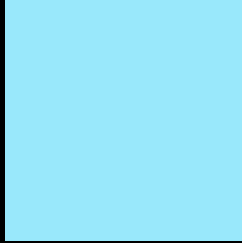
Large Text (above 18pt) WCAG AA × Fail

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 71.4506, 0.2552, 0.3069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

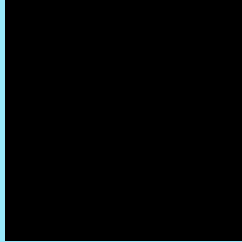
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.4506, 0.2552, 0.3069

Background



This preview shows how black text looks on a background with the Yxy color 71.4506, 0.2552, 0.3069.

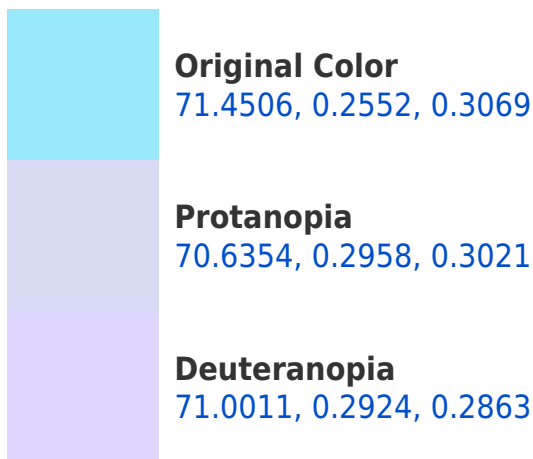


This preview shows how white text looks on a background with the Yxy color 71.4506, 0.2552, 0.3069.

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

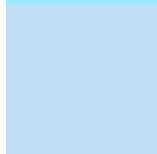
71.4506, 0.2552, 0.3069

Trichromacy



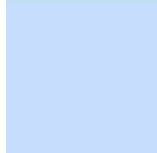
Original Color

71.4506, 0.2552, 0.3069



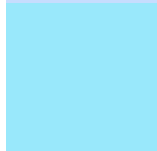
Protanomaly

70.1726, 0.2793, 0.3034



Deuteranomaly

70.8744, 0.2772, 0.2931



Tritanomaly

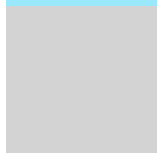
71.4506, 0.2552, 0.3069

Monochromacy



Original Color

71.4506, 0.2552, 0.3069



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

67.1012, 0.2883, 0.3209

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.4506, 0.2552, 0.3069 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(153, 232, 251)` looks like.

```
.text, #text, p{  
    color:rgb(153, 232, 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(153, 232, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 232, 251) }
```

Border

The CSS property to change the border of an element to Yxy 71.4506, 0.2552, 0.3069 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(153, 232, 251) }
```

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

```
.border{ border-color:rgb(153, 232, 251) }
```

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

Here you see how a box with a 4 pixel rgb(153, 232, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 232, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 232, 251);  
box-shadow:4px 4px 4px 4px rgb(153, 232,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 71.4506, 0.2552, 0.3069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 232, 251) }
```

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

```
.background{ background-color: rgb(153,  
232, 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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