

Converting Colors

$Yxy(71.2801, 0.2465, 0.2877)$

Have a look what the booklet for
Yxy(71.2801, 0.2465, 0.2877)
contains.

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Color

Yxy(70.3929, 0.2520, 0.3001)

Conversions

Conversions Part 1

Format	Color
Hex	97E6FF
RGB	151, 230, 255
RGB Percent	59%, 90%, 100%
CMY	0.4077, 0.0980, 0.0001
CMYK	0.41, 0.10, 0.00, 0.00
HSL	194°, 100%, 80%
HSV	194°, 41%, 100%
XYZ	59.1103, 70.3929, 105.0616
YIQ	209.2290, -55.1090, -8.9730

Conversions

Conversions Part 2

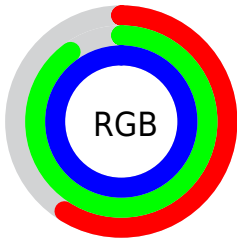
Format	Color
RYB	151, 196, 255
Decimal	9955071
CIELab	87.19, -17.99, -19.72
CIELCh	87, 26.695, 227.621
Yxy	70.3929, 0.2520, 0.3001
Android (android.graphics.Color)	4288145151 (0xFF97E6FF)
YUV	209.2290, 22.5651, -51.0668
Hunter-Lab	83.9005, -21.0674, -15.5136

Details

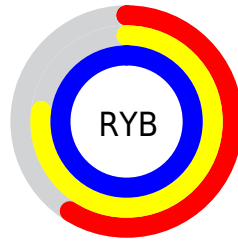
The Yxy color **70.3929, 0.2520, 0.3001** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.5465, 0.4064, 0.3555**, and the grayscale version is **63.7997, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.2953, 0.2855, 0.3289**, and **36.7290, 0.2384, 0.2924** is the 20% darker color. If you saturate the color by 10%, you get **64.8629, 0.2393, 0.2917**, and if you desaturate by 10%, it is **76.5758, 0.2659, 0.3081**.

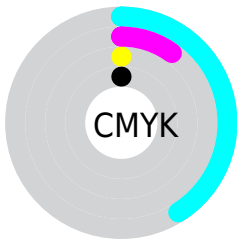
Distribution



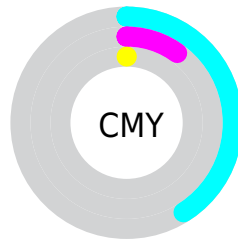
- Red (59%)
- Green (90%)
- Blue (100%)



- Red (59%)
- Yellow (77%)
- Blue (100%)



- Cyan (41%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)





- Cyan (41%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.3929, 0.2520, 0.3001 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 70.3929, 0.2520, 0.3001 by changing the saturation by 10% instead.


 70.3929, 0.2520,
0.3001

 70.3929, 0.2520,
0.3001


461.9283, 0.2796,
0.3141

 51.8469, 0.2459,
0.2968


 119.7689, 0.2614,
0.3050

 36.8831, 0.2384,
0.2927


 151.3677, 0.2652,
0.3069

 25.1170, 0.2290,
0.2873


188.0862, 0.2684,
0.3086

 16.1642, 0.2170,
0.2803

230.3088, 0.2712,
0.3100

 9.6404, 0.2012,
0.2705

278.4199, 0.2736,
0.3112

 5.1612, 0.1795,
0.2562

332.8040, 0.2758,

 2.3422, 0.1483,

0.3123

0.2335

393.8453, 0.2778,
0.3132

0.7959, 0.0791,
0.1985

0.0000, 0.0000,
0.0000

70.3929, 0.2520,
0.3001

70.3929, 0.2520,
0.3001

64.8629, 0.2393,
0.2917

76.5758, 0.2659,
0.3081

59.9420, 0.2280,
0.2829

83.4359, 0.2807,
0.3155

55.5933, 0.2186,
0.2739

91.0059, 0.2960,
0.3223

51.7716, 0.2111,
0.2649

99.3138, 0.3115,
0.3286

■ 48.4228, 0.2057,
0.2559

99.9987, 0.3127,
0.3290

■ 45.6728, 0.2021,
0.2477

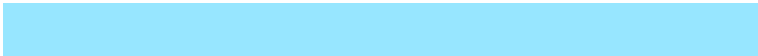
Harmonies

Analogous

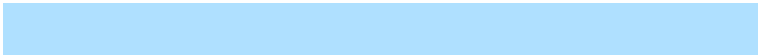
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.3929, 0.2620, 0.3289



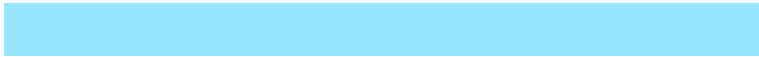
70.3929, 0.2520, 0.3001



70.3929, 0.2571, 0.2813

Triad

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



70.3929, 0.2520, 0.3001



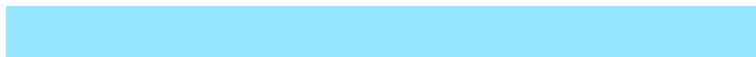
70.3929, 0.3391, 0.3008



70.3929, 0.3480, 0.3869

Complementary

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



70.3929, 0.2520, 0.3001



54.5465, 0.4064, 0.3555

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.



70.3929, 0.3707, 0.3753



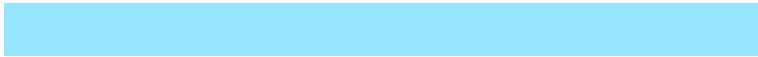
70.3929, 0.2520, 0.3001



70.3929, 0.3658, 0.3257

Square

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



70.3929, 0.2520, 0.3001



70.3929, 0.3061, 0.2828



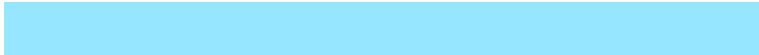
70.3929, 0.3775, 0.3526



70.3929, 0.3166, 0.3816

Rectangle

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



70.3929, 0.2520, 0.3001



70.3929, 0.2686, 0.2760



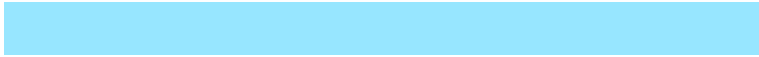
70.3929, 0.3775, 0.3526



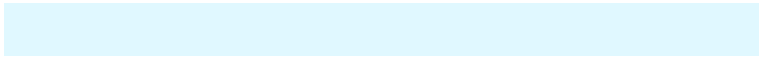
70.3929, 0.3570, 0.3847

Sweetspot

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



70.3956, 0.2520, 0.3001



90.0491, 0.2941, 0.3215



81.1962, 0.2949, 0.4253



19.0562, 0.2921, 0.3207



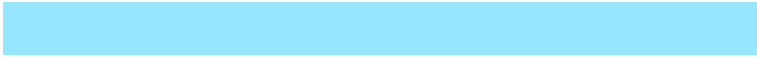
0.0000, 0.0000, 0.0000



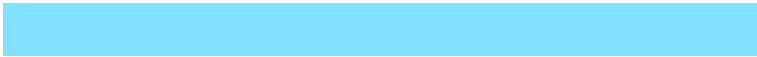
21.4041, 0.3127, 0.3290

Same Dimension

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



70.3956, 0.2520, 0.3001



65.8065, 0.2414, 0.2932



45.9418, 0.2419, 0.2370



19.6982, 0.2980, 0.3232



24.1130, 0.2026, 0.2492



2.5167, 0.2054, 0.2594

Inverse Universe

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



49.1130, 0.3388, 0.2499



42.6734, 0.3458, 0.2349



78.5726, 0.3844, 0.4061



18.2213, 0.3175, 0.3111



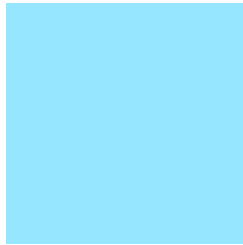
13.1622, 0.3930, 0.1939



1.2986, 0.3830, 0.1884

Previews

White Background



This preview shows how the Yxy color 70.3929, 0.2520, 0.3001 looks on a white background.

Color Contrast Check

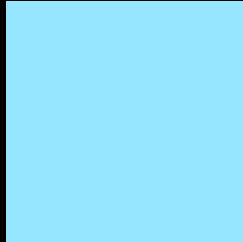
Large Text (above 18pt) WCAG AA × Fail

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 70.3929, 0.2520, 0.3001 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 70.3929, 0.2520, 0.3001

Background



This preview shows how black text looks on a background with the Yxy color 70.3929, 0.2520, 0.3001.

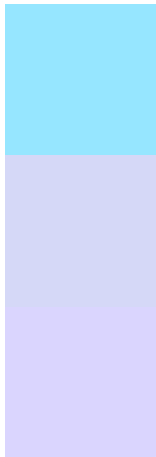


This preview shows how white text looks on a background with the Yxy color 70.3929, 0.2520, 0.3001.

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

70.3929, 0.2520, 0.3001

Protanopia

69.9117, 0.2913, 0.2967

Deuteranopia

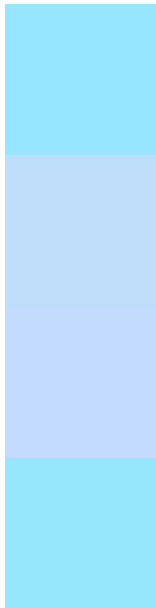
69.7139, 0.2890, 0.2848



Tritanopia

70.4754, 0.2545, 0.3079

Trichromacy



Original Color

70.3929, 0.2520, 0.3001

Protanomaly

69.4996, 0.2751, 0.2978

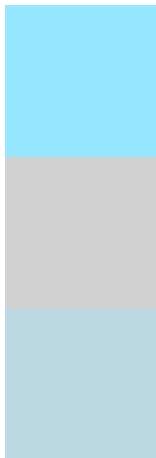
Deuteranomaly

69.3524, 0.2740, 0.2896

Tritanomaly

70.6009, 0.2536, 0.3057

Monochromacy



Original Color

70.3929, 0.2520, 0.3001

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

65.8081, 0.2869, 0.3185

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.3929, 0.2520, 0.3001 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(151, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(151, 230, 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(151, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 230, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.3929, 0.2520, 0.3001 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(151, 230, 255) }
```

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

```
.border{ border-color:rgb(151, 230, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 230, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(151, 230,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 70.3929, 0.2520, 0.3001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 230, 255) }
```

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

```
.background{ background-color: rgb(151,  
230, 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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