

Converting Colors

$Yxy(70.4933, 0.2576, 0.2982)$

Have a look what the booklet for
Yxy(70.4933, 0.2576, 0.2982)
contains.

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Color

Yxy(70.4933, 0.2576, 0.2982)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | A3E4FF |
| RGB | 163, 228, 255 |
| RGB Percent | 64%, 89%, 100% |
| CMY | 0.3608, 0.1059, 0.0000 |
| CMYK | 0.36, 0.11, 0.00, 0.00 |
| HSL | 198°, 100%, 82% |
| HSV | 198°, 36%, 100% |
| XYZ | 60.8956, 70.4933, 105.0071 |
| YIQ | 211.6430, -47.4070, -5.3830 |

Conversions

Conversions Part 2

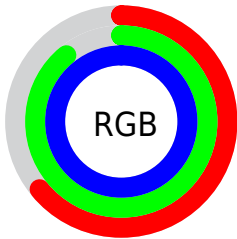
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 163, 201, 255 |
| Decimal | 10740991 |
| CIE Lab | 87.24, -13.95, -19.60 |
| CIE LCh | 87, 24.059, 234.559 |
| Yxy | 70.4933, 0.2576, 0.2982 |
| Android (android.graphics.Color) | 4288931071 (0xFFA3E4FF) |
| YUV | 211.6430, 21.3750, -42.6599 |
| Hunter-Lab | 83.9603, -17.4661, -15.3804 |

Details

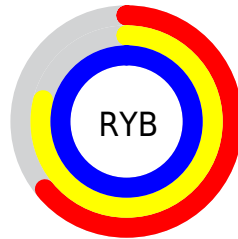
The Yxy color **70.4933, 0.2576, 0.2982** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **60.7229, 0.3901, 0.3575**, and the grayscale version is **65.4679, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9556, 0.2917, 0.3289**, and **37.0902, 0.2452, 0.2915** is the 20% darker color. If you saturate the color by 10%, you get **64.0426, 0.2437, 0.2880**, and if you desaturate by 10%, it is **77.6698, 0.2724, 0.3077**.

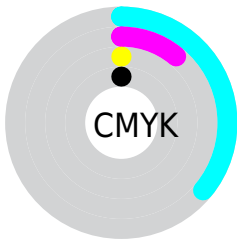
Distribution



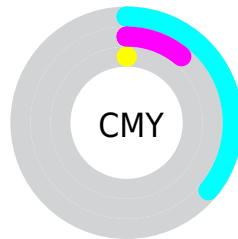
- Red (64%)
- Green (89%)
- Blue (100%)



- Red (64%)
- Yellow (79%)
- Blue (100%)



- Cyan (36%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (36%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.4933, 0.2576, 0.2982 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 70.4933, 0.2576, 0.2982 by changing the saturation by 10% instead.


 70.4933, 0.2576,
0.2982

 70.4933, 0.2576,
0.2982


 462.2802, 0.2827,
0.3129

 51.9288, 0.2520,
0.2948


 119.9120, 0.2662,
0.3034


 36.9483, 0.2451,
0.2905


 151.5349, 0.2696,
0.3054


 25.1675, 0.2365,
0.2850


 188.2795, 0.2725,
0.3071

 16.2019, 0.2255,
0.2778

 230.5300, 0.2751,
0.3085

 9.6671, 0.2109,
0.2679

 278.6710, 0.2773,
0.3098

 5.1788, 0.1907,
0.2534

 333.0867, 0.2793,

 2.3526, 0.1614,

0.3110

0.2309

394.1617, 0.2811,
0.3120

■ 0.8013, 0.1024,
0.1948

■ 0.0000, 0.0000,
0.0000

■ 70.4933, 0.2576,
0.2982

■ 70.4933, 0.2576,
0.2982

■ 64.0426, 0.2437,
0.2880

■ 77.6698, 0.2724,
0.3077

■ 58.2751, 0.2310,
0.2774

■ 85.5967, 0.2877,
0.3165

■ 53.1547, 0.2199,
0.2663

■ 94.3067, 0.3033,
0.3245

■ 48.6379, 0.2107,
0.2550

100.0000, 0.3127,
0.3290

■ 44.6742, 0.2036,
0.2438

■ 41.2015, 0.1984,
0.2327

■ 39.9397, 0.1968,
0.2284

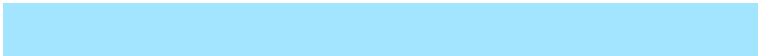
Harmonies

Analogous

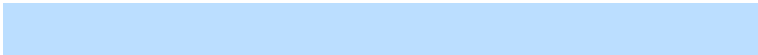
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.4933, 0.2636, 0.3226



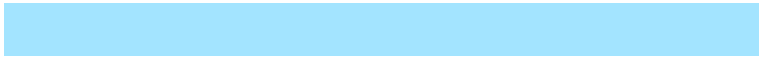
70.4933, 0.2576, 0.2982



70.4933, 0.2654, 0.2836

Triad

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



70.4933, 0.2576, 0.2982



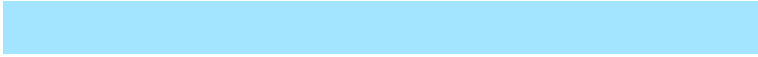
70.4933, 0.3429, 0.3083



70.4933, 0.3386, 0.3813

Complementary

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



70.4933, 0.2576, 0.2982



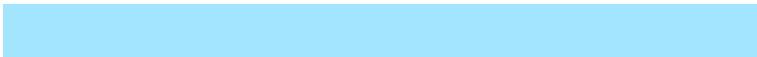
60.7229, 0.3901, 0.3575

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.



70.4933, 0.3614, 0.3744



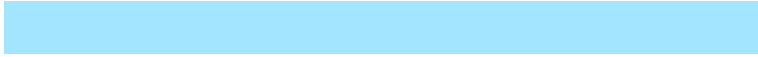
70.4933, 0.2576, 0.2982



70.4933, 0.3643, 0.3319

Square

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



70.4933, 0.2576, 0.2982



70.4933, 0.3138, 0.2901



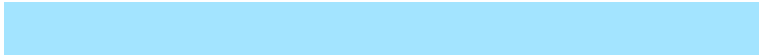
70.4933, 0.3711, 0.3559



70.4933, 0.3095, 0.3728

Rectangle

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



70.4933, 0.2576, 0.2982



70.4933, 0.2777, 0.2806



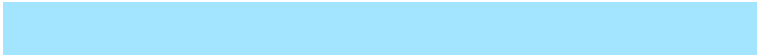
70.4933, 0.3711, 0.3559



70.4933, 0.3472, 0.3806

Sweetspot

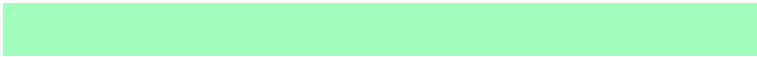
The Sweet Spot groups the original color and five complimentary colors.



70.4958, 0.2576, 0.2982



89.9243, 0.2956, 0.3207



82.9820, 0.2943, 0.4066



18.9961, 0.2935, 0.3196



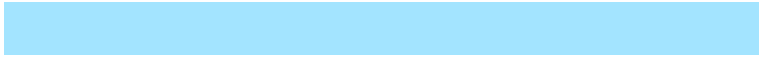
0.0000, 0.0000, 0.0000



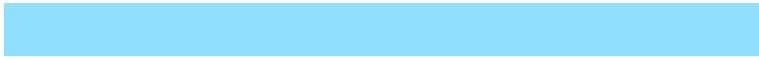
21.4041, 0.3127, 0.3290

Same Dimension

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



70.4958, 0.2576, 0.2982



65.9573, 0.2479, 0.2912



48.8410, 0.2500, 0.2438



19.5284, 0.2980, 0.3219



21.1406, 0.1973, 0.2302



2.2477, 0.2008, 0.2429

Inverse Universe

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



53.0521, 0.3393, 0.2634



46.9366, 0.3461, 0.2510



83.3573, 0.3737, 0.4016



18.2042, 0.3183, 0.3123



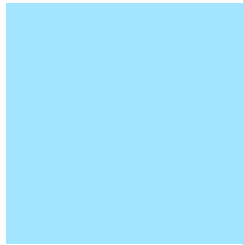
12.8621, 0.4124, 0.2045



1.2715, 0.3994, 0.1974

Previews

White Background



This preview shows how the Yxy color 70.4933, 0.2576, 0.2982 looks on a white background.

Color Contrast Check

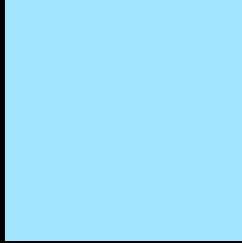
Large Text (above 18pt) WCAG AA × Fail

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 70.4933, 0.2576, 0.2982 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 70.4933, 0.2576, 0.2982

Background



This preview shows how black text looks on a background with the Yxy color 70.4933, 0.2576, 0.2982.

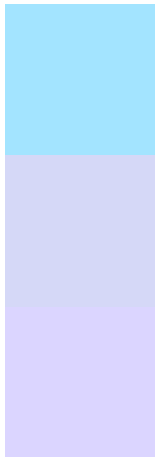


This preview shows how white text looks on a background with the Yxy color 70.4933, 0.2576, 0.2982.

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

70.4933, 0.2576, 0.2982

Protanopia

69.9733, 0.2907, 0.2957

Deuteranopia

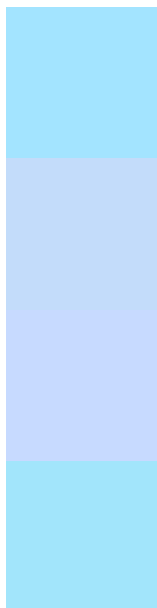
69.8686, 0.2897, 0.2849



Tritanopia

70.3930, 0.2602, 0.3070

Trichromacy



Original Color

70.4933, 0.2576, 0.2982

Protanomaly

69.6906, 0.2775, 0.2959

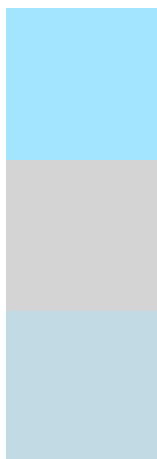
Deuteranomaly

69.5049, 0.2770, 0.2888

Tritanomaly

70.6850, 0.2592, 0.3037

Monochromacy



Original Color

70.4933, 0.2576, 0.2982

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

67.2136, 0.2897, 0.3175

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.4933, 0.2576, 0.2982 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(163, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(163, 228, 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(163, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 228, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.4933, 0.2576, 0.2982 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(163, 228, 255) }
```

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

```
.border{ border-color:rgb(163, 228, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 228, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 228, 255); box-shadow:4px 4px 4px 4px rgb(163, 228, 255) }
```


Background

The CSS property to change the background color of an element to `rgb(70.4933, 0.2576, 0.2982)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 228, 255) }
```

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

```
.background{ background-color: rgb(163,  
228, 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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