

Converting Colors

$Y_{xy}(72.2283, 0.2595, 0.3013)$

Have a look what the booklet for
Yxy(72.2283, 0.2595, 0.3013)
contains.

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Color

Yxy(72.4788, 0.2596, 0.3018)

Conversions

Conversions Part 1

Format	Color
Hex	A6E7FF
RGB	166, 231, 255
RGB Percent	65%, 91%, 100%
CMY	0.3493, 0.0941, 0.0000
CMYK	0.35, 0.09, 0.00, 0.00
HSL	196°, 100%, 83%
HSV	196°, 35%, 100%
XYZ	62.3443, 72.4788, 105.3320
YIQ	214.3010, -46.4440, -6.3160

Conversions

Conversions Part 2

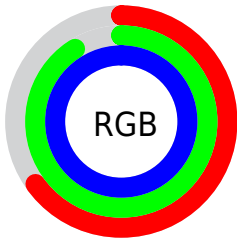
Format	Color
R _Y B	166, 204, 255
Decimal	10938367
CIE Lab	88.20, -14.70, -18.15
CIE LCh	88, 23.355, 230.996
Yxy	72.4788, 0.2596, 0.3018
Android (android.graphics.Color)	4289128447 (0xFFA6E7FF)
YUV	214.3010, 20.0646, -42.3600
Hunter-Lab	85.1345, -18.2692, -13.7620

Details

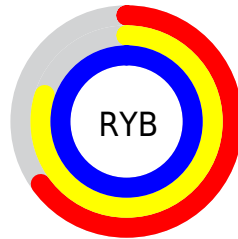
The Yxy color **72.4788, 0.2596, 0.3018** is a light color, and the websafe version is hex **CCFFFF**, and the color name is **fresh air**. A complement of this color would be **60.8035, 0.3876, 0.3543**, and the grayscale version is **67.3358, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4280, 0.2935, 0.3289**, and **38.0522, 0.2475, 0.2948** is the 20% darker color. If you saturate the color by 10%, you get **66.2239, 0.2458, 0.2926**, and if you desaturate by 10%, it is **79.4332, 0.2743, 0.3105**.

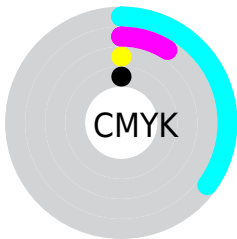
Distribution



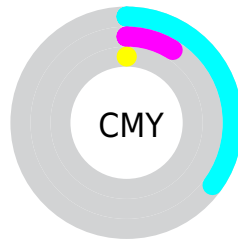
- Red (65%)
- Green (91%)
- Blue (100%)



- Red (65%)
- Yellow (80%)
- Blue (100%)



- Cyan (35%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)





- Cyan (35%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.4788, 0.2596, 0.3018 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 72.4788, 0.2596, 0.3018 by changing the saturation by 10% instead.


 72.4788, 0.2596,
0.3018


 72.4788, 0.2596,
0.3018


469.2064, 0.2837,
0.3148

 53.5499, 0.2542,
0.2988


 122.7370, 0.2679,
0.3064

 38.2419, 0.2477,
0.2950


 154.8351, 0.2711,
0.3081

 26.1705, 0.2395,
0.2902


192.0917, 0.2739,
0.3096

 16.9512, 0.2290,
0.2838

234.8913, 0.2764,
0.3109

 10.1997, 0.2151,
0.2750

283.6181, 0.2785,
0.3121

 5.5316, 0.1959,
0.2622

338.6566, 0.2804,

 2.5624, 0.1680,

0.3131

0.2422

400.3913, 0.2821,
0.3140

0.9078, 0.1163,
0.2095

0.0000, 0.0000,
0.0000

72.4788, 0.2596,
0.3018

72.4788, 0.2596,
0.3018

66.2239, 0.2458,
0.2926

79.4332, 0.2743,
0.3105

60.6307, 0.2333,
0.2829

87.1149, 0.2896,
0.3184

55.6627, 0.2224,
0.2729

95.5545, 0.3051,
0.3257

51.2778, 0.2133,
0.2626

100.0000, 0.3127,
0.3290

■ 47.4269, 0.2063,
0.2524

■ 44.0502, 0.2012,
0.2423

■ 42.4759, 0.1992,
0.2372

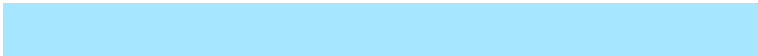
Harmonies

Analogous

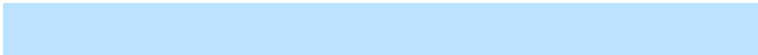
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.4788, 0.2669, 0.3261



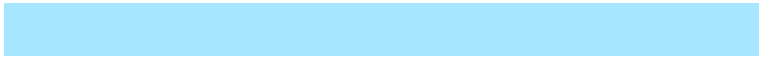
72.4788, 0.2596, 0.3018



72.4788, 0.2656, 0.2864

Triad

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



72.4788, 0.2596, 0.3018



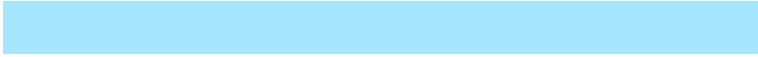
72.4788, 0.3387, 0.3066



72.4788, 0.3407, 0.3792

Complementary

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



72.4788, 0.2596, 0.3018



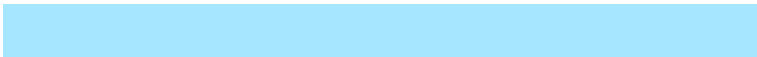
60.8035, 0.3876, 0.3543

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.



72.4788, 0.3614, 0.3711



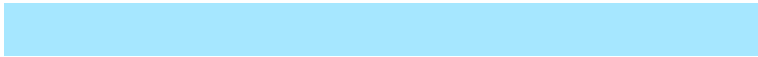
72.4788, 0.2596, 0.3018



72.4788, 0.3605, 0.3290

Square

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



72.4788, 0.2596, 0.3018



72.4788, 0.3104, 0.2899



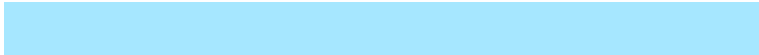
72.4788, 0.3689, 0.3524



72.4788, 0.3131, 0.3728

Rectangle

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



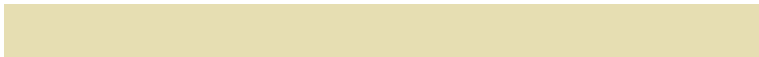
72.4788, 0.2596, 0.3018



72.4788, 0.2766, 0.2825



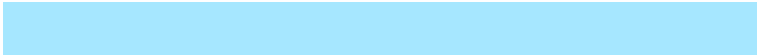
72.4788, 0.3689, 0.3524



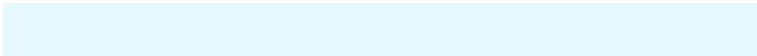
72.4788, 0.3487, 0.3780

Sweetspot

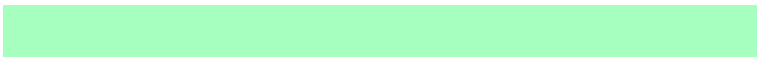
The Sweet Spot groups the original color and five complimentary colors.



72.4800, 0.2596, 0.3018



91.1768, 0.2972, 0.3221



83.3240, 0.2956, 0.4055



19.2636, 0.2950, 0.3211



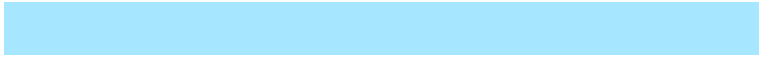
0.0000, 0.0000, 0.0000



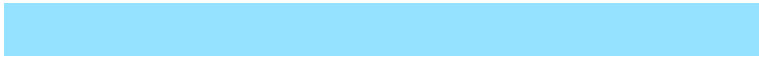
21.4041, 0.3127, 0.3290

Same Dimension

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



72.4800, 0.2596, 0.3018



67.9850, 0.2497, 0.2954



50.7408, 0.2524, 0.2488



19.6052, 0.2980, 0.3224



22.4545, 0.1997, 0.2389



2.3671, 0.2029, 0.2504

Inverse Universe

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



54.2794, 0.3363, 0.2635



47.9081, 0.3427, 0.2504



82.9808, 0.3721, 0.3979



18.2120, 0.3179, 0.3118



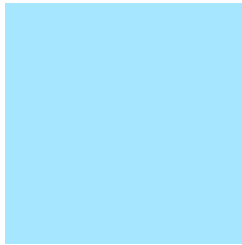
12.9948, 0.4035, 0.1996



1.2835, 0.3919, 0.1932

Previews

White Background



This preview shows how the Yxy color 72.4788, 0.2596, 0.3018 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 72.4788, 0.2596, 0.3018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

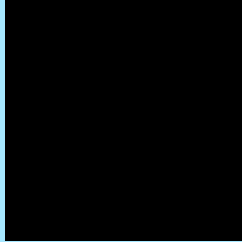
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.4788, 0.2596, 0.3018

Background



This preview shows how black text looks on a background with the Yxy color 72.4788, 0.2596, 0.3018.

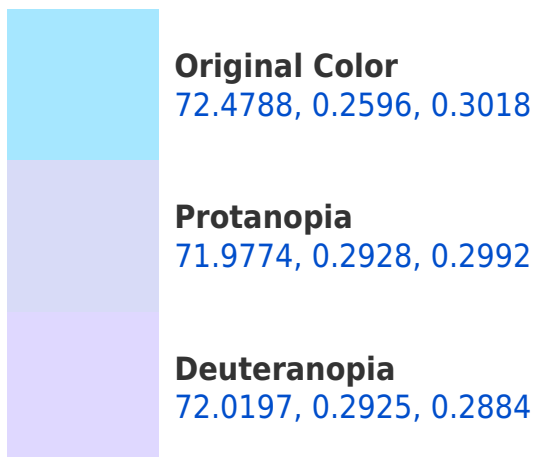


This preview shows how white text looks on a background with the Yxy color 72.4788, 0.2596, 0.3018.

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

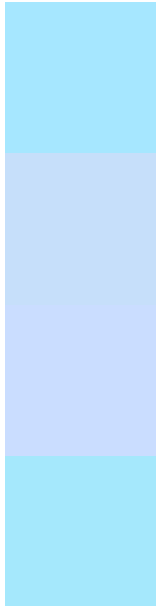




Tritanopia

72.6147, 0.2617, 0.3084

Trichromacy



Original Color

72.4788, 0.2596, 0.3018

Protanomaly

71.6832, 0.2796, 0.2995

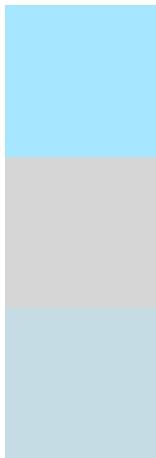
Deuteranomaly

71.4895, 0.2791, 0.2923

Tritanomaly

72.7408, 0.2608, 0.3062

Monochromacy



Original Color

72.4788, 0.2596, 0.3018

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

68.7139, 0.2912, 0.3188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.4788, 0.2596, 0.3018 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(166, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(166, 231, 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(166, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 231, 255) }
```

Border

The CSS property to change the border of an element to Yxy 72.4788, 0.2596, 0.3018 is called "border". The border property can be set on classes, ids or directly on the HTML element.

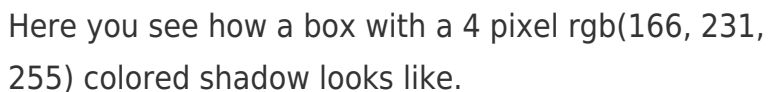
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(166, 231, 255) }
```

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

```
.border{ border-color:rgb(166, 231, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(166, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(166, 231,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 72.4788, 0.2596, 0.3018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 231, 255) }
```

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

```
.background{ background-color: rgb(166,  
231, 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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