

Converting Colors

$Yxy(77.5666, 0.2331, 0.2424)$

Have a look what the booklet for
Yxy(77.5666, 0.2331, 0.2424)
contains.

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Color

Yxy(72.5873, 0.2602, 0.3019)

Conversions

Conversions Part 1

Format	Color
Hex	A7E7FF
RGB	167, 231, 255
RGB Percent	65%, 91%, 100%
CMY	0.3450, 0.0941, 0.0002
CMYK	0.34, 0.09, 0.00, 0.00
HSL	196°, 100%, 83%
HSV	196°, 34%, 100%
XYZ	62.5612, 72.5873, 105.2864
YIQ	214.6000, -45.8480, -6.1040

Conversions

Conversions Part 2

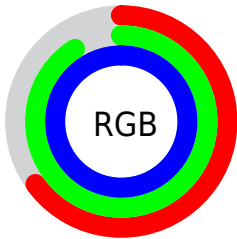
Format	Color
R _Y B	167, 204, 255
Decimal	11003903
CIE Lab	88.25, -14.42, -18.03
CIE LCh	88, 23.088, 231.350
Yxy	72.5873, 0.2602, 0.3019
Android (android.graphics.Color)	4289193983 (0xFFA7E7FF)
YUV	214.6000, 19.9172, -41.7452
Hunter-Lab	85.1982, -18.0240, -13.6308

Details

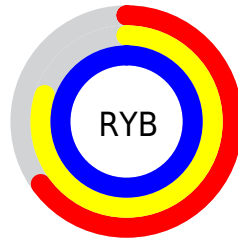
The Yxy color **72.5873, 0.2602, 0.3019** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.2998, 0.3863, 0.3543**, and the grayscale version is **67.5611, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5873, 0.2940, 0.3289**, and **38.1819, 0.2487, 0.2949** is the 20% darker color. If you saturate the color by 10%, you get **66.2692, 0.2463, 0.2926**, and if you desaturate by 10%, it is **79.6128, 0.2750, 0.3106**.

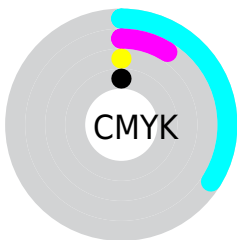
Distribution



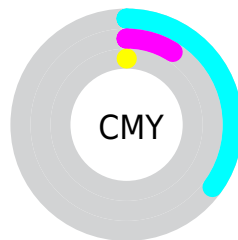
- Red (65%)
- Green (91%)
- Blue (100%)



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



- Cyan (34%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.5873, 0.2602, 0.3019 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 72.5873, 0.2602, 0.3019 by changing the saturation by 10% instead.


 72.5873, 0.2602,
0.3019

 72.5873, 0.2602,
0.3019


469.5832, 0.2840,
0.3148

 53.6386, 0.2549,
0.2989

 122.8912, 0.2684,
0.3064

 38.3128, 0.2484,
0.2951


155.0151, 0.2716,
0.3082

 26.2255, 0.2403,
0.2903


192.2995, 0.2743,
0.3097

 16.9924, 0.2299,
0.2840

235.1288, 0.2768,
0.3110

 10.2291, 0.2161,
0.2753

283.8875, 0.2789,
0.3121

 5.5511, 0.1971,
0.2626

338.9598, 0.2808,

 2.5741, 0.1695,

0.3131

0.2427

400.7303, 0.2825,
0.3140

■ 0.9137, 0.1187,
0.2102

■ 0.0000, 0.0000,
0.0000

■ 72.5873, 0.2602,
0.3019

■ 72.5873, 0.2602,
0.3019

■ 66.2692, 0.2463,
0.2926

■ 79.6128, 0.2750,
0.3106

■ 60.6159, 0.2337,
0.2828

■ 87.3687, 0.2902,
0.3186

■ 55.5927, 0.2227,
0.2726

■ 95.8869, 0.3058,
0.3260

■ 51.1577, 0.2135,
0.2623

99.9974, 0.3127,
0.3290

■ 47.2620, 0.2063,
0.2519

■ 43.8463, 0.2011,
0.2416

■ 42.1231, 0.1989,
0.2360

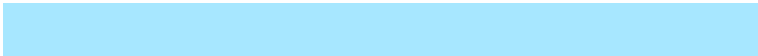
Harmonies

Analogous

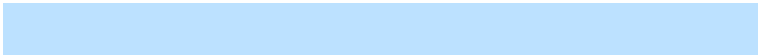
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.5873, 0.2673, 0.3258



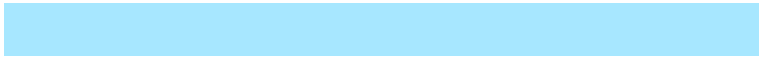
72.5873, 0.2602, 0.3019



72.5873, 0.2663, 0.2868

Triad

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



72.5873, 0.2602, 0.3019



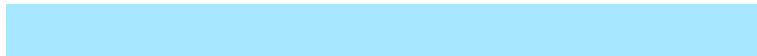
72.5873, 0.3387, 0.3071



72.5873, 0.3401, 0.3786

Complementary

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



72.5873, 0.2602, 0.3019



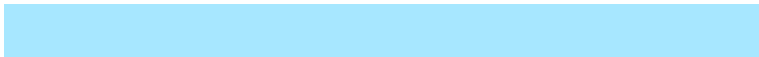
61.2998, 0.3863, 0.3543

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.



72.5873, 0.3606, 0.3708



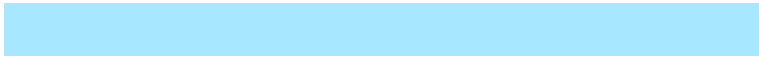
72.5873, 0.2602, 0.3019



72.5873, 0.3601, 0.3293

Square

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



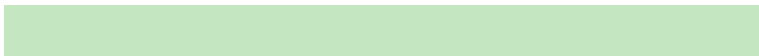
72.5873, 0.2602, 0.3019



72.5873, 0.3107, 0.2905



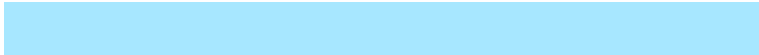
72.5873, 0.3682, 0.3524



72.5873, 0.3127, 0.3720

Rectangle

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



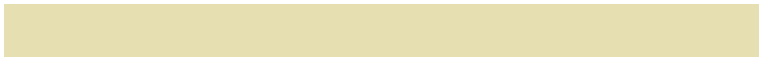
72.5873, 0.2602, 0.3019



72.5873, 0.2772, 0.2830



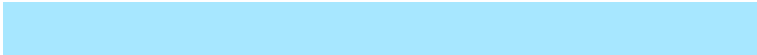
72.5873, 0.3682, 0.3524



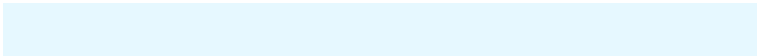
72.5873, 0.3480, 0.3775

Sweetspot

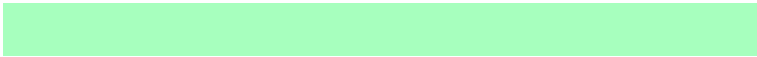
The Sweet Spot groups the original color and five complimentary colors.



72.5902, 0.2602, 0.3019



91.1274, 0.2972, 0.3220



83.4522, 0.2958, 0.4044



19.2516, 0.2950, 0.3210



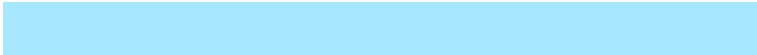
0.0000, 0.0000, 0.0000



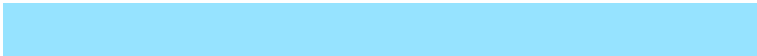
21.4041, 0.3127, 0.3290

Same Dimension

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



72.5902, 0.2602, 0.3019



68.4201, 0.2510, 0.2959



51.2097, 0.2533, 0.2500



19.5952, 0.2980, 0.3224



22.2794, 0.1994, 0.2377



2.3512, 0.2026, 0.2494

Inverse Universe

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



54.6709, 0.3362, 0.2646



48.7359, 0.3421, 0.2525



83.1421, 0.3713, 0.3970



18.2109, 0.3180, 0.3119



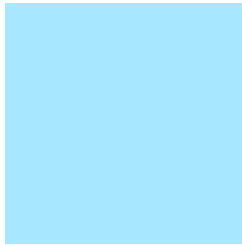
12.9771, 0.4046, 0.2003



1.2819, 0.3928, 0.1938

Previews

White Background



This preview shows how the Yxy color 72.5873, 0.2602, 0.3019 looks on a white background.

Color Contrast Check

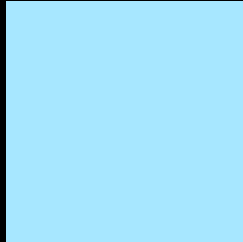
Large Text (above 18pt) WCAG AA × Fail

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 72.5873, 0.2602, 0.3019 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

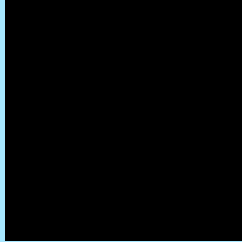
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.5873, 0.2602, 0.3019

Background



This preview shows how black text looks on a background with the Yxy color 72.5873, 0.2602, 0.3019.

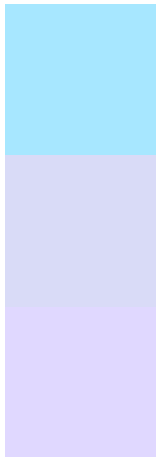


This preview shows how white text looks on a background with the Yxy color 72.5873, 0.2602, 0.3019.

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

72.5873, 0.2602, 0.3019

Protanopia

72.1301, 0.2934, 0.2992

Deuteranopia

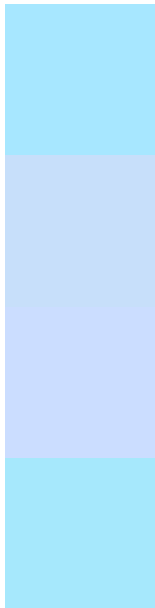
72.1790, 0.2932, 0.2885



Tritanopia

72.7223, 0.2623, 0.3084

Trichromacy



Original Color

72.5873, 0.2602, 0.3019

Protanomaly

71.8196, 0.2802, 0.2995

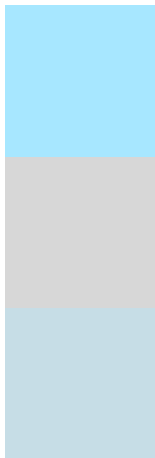
Deuteranomaly

71.6294, 0.2798, 0.2924

Tritanomaly

72.8485, 0.2613, 0.3062

Monochromacy



Original Color

72.5873, 0.2602, 0.3019

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

69.4318, 0.2912, 0.3188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.5873, 0.2602, 0.3019 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(167, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(167, 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(167, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 231, 255) }
```

Border

The CSS property to change the border of an element to Yxy 72.5873, 0.2602, 0.3019 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(167, 231, 255) }
```

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

```
.border{ border-color:rgb(167, 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(167, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(167, 231,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 72.5873, 0.2602, 0.3019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 231, 255) }
```

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

```
.background{ background-color: rgb(167,  
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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