

Converting Colors

$Yxy(76.5539, 0.2541, 0.2936)$

Have a look what the booklet for
Yxy(76.5539, 0.2541, 0.2936)
contains.

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Color

Yxy(75.8954, 0.2606, 0.3087)

Conversions

Conversions Part 1

Format	Color
Hex	A6EDFF
RGB	166, 237, 255
RGB Percent	65%, 93%, 100%
CMY	0.3488, 0.0706, 0.0000
CMYK	0.35, 0.07, 0.00, 0.00
HSL	192°, 100%, 83%
HSV	192°, 35%, 100%
XYZ	64.0698, 75.8954, 105.8897
YIQ	217.8230, -48.0940, -9.4540

Conversions

Conversions Part 2

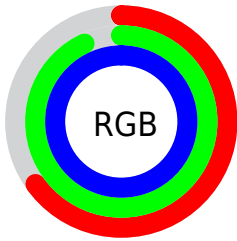
Format	Color
R _Y B	166, 205, 255
Decimal	10939903
CIE Lab	89.81, -17.68, -15.72
CIE LCh	90, 23.654, 221.644
Yxy	75.8954, 0.2606, 0.3087
Android (android.graphics.Color)	4289129983 (0xFFA6EDFF)
YUV	217.8230, 18.3283, -45.4488
Hunter-Lab	87.1180, -21.1809, -11.0829

Details

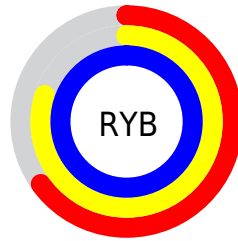
The Yxy color **75.8954, 0.2606, 0.3087** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **58.3227, 0.3897, 0.3481**, and the grayscale version is **69.8878, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5873, 0.2940, 0.3289**, and **40.4400, 0.2491, 0.3039** is the 20% darker color. If you saturate the color by 10%, you get **70.4619, 0.2475, 0.3019**, and if you desaturate by 10%, it is **81.9657, 0.2748, 0.3151**.

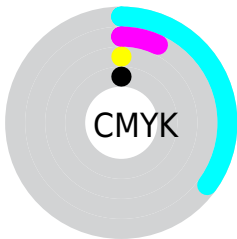
Distribution



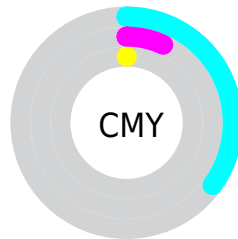
- Red (65%)
- Green (93%)
- Blue (100%)



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



- Cyan (35%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)




- Cyan (35%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.8954, 0.2606, 0.3087 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 75.8954, 0.2606, 0.3087 by changing the saturation by 10% instead.


 75.8954, 0.2606,
0.3087


 75.8954, 0.2606,
0.3087


480.9896, 0.2841,
0.3185

 56.3467, 0.2554,
0.3064


 127.5790, 0.2686,
0.3121

 40.4810, 0.2491,
0.3035


 160.4828, 0.2718,
0.3135

 27.9138, 0.2412,
0.2998


198.6071, 0.2745,
0.3146

 18.2607, 0.2311,
0.2949

242.3362, 0.2769,
0.3156

 11.1373, 0.2178,
0.2882

292.0546, 0.2790,
0.3164

 6.1593, 0.1996,
0.2782

348.1467, 0.2809,

 2.9422, 0.1732,

0.3172

0.2625

410.9969, 0.2826,
0.3179

■ 1.1016, 0.1285,
0.2357

■ 0.0000, 0.0000,
0.0000

■ 75.8954, 0.2606,
0.3087

■ 75.8954, 0.2606,
0.3087

■ 70.4619, 0.2475,
0.3019

■ 81.9657, 0.2748,
0.3151

■ 65.6255, 0.2358,
0.2948

■ 88.6968, 0.2897,
0.3211

■ 61.3518, 0.2259,
0.2874

■ 96.1191, 0.3051,
0.3265

■ 57.5996, 0.2178,
0.2799

100.0000, 0.3127,
0.3290

■ 54.3210, 0.2117,
0.2724

■ 51.4572, 0.2075,
0.2650

■ 50.1089, 0.2059,
0.2613

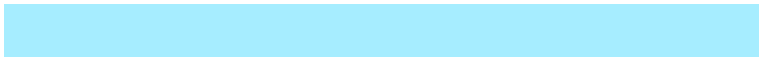
Harmonies

Analogous

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



75.8954, 0.2719, 0.3345



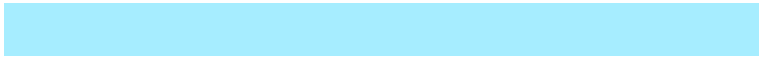
75.8954, 0.2606, 0.3087



75.8954, 0.2624, 0.2901

Triad

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



75.8954, 0.2606, 0.3087



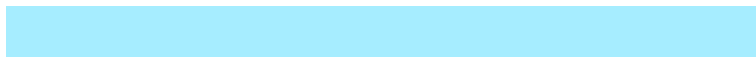
75.8954, 0.3301, 0.3007



75.8954, 0.3481, 0.3780

Complementary

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



75.8954, 0.2606, 0.3087



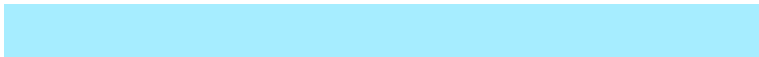
58.3227, 0.3897, 0.3481

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.



75.8954, 0.3652, 0.3660



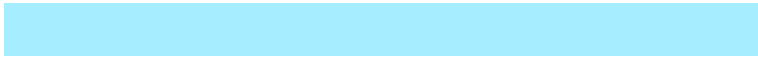
75.8954, 0.2606, 0.3087



75.8954, 0.3548, 0.3217

Square

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



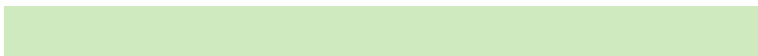
75.8954, 0.2606, 0.3087



75.8954, 0.3016, 0.2866



75.8954, 0.3678, 0.3453



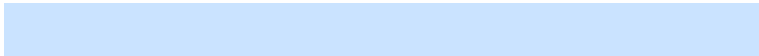
75.8954, 0.3219, 0.3763

Rectangle

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



75.8954, 0.2606, 0.3087



75.8954, 0.2709, 0.2838



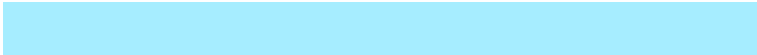
75.8954, 0.3678, 0.3453



75.8954, 0.3552, 0.3753

Sweetspot

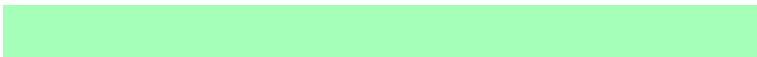
The Sweet Spot groups the original color and five complimentary colors.



75.8976, 0.2606, 0.3087



92.2306, 0.2972, 0.3238



83.0874, 0.2986, 0.4126



19.5196, 0.2951, 0.3230



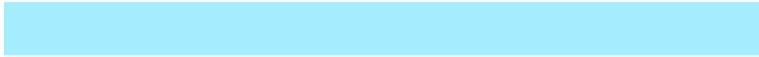
0.0000, 0.0000, 0.0000



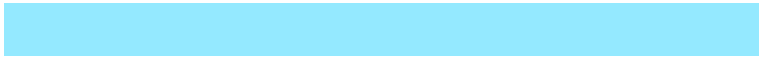
21.4041, 0.3127, 0.3290

Same Dimension

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



75.8976, 0.2606, 0.3087



71.9642, 0.2512, 0.3039



53.3581, 0.2535, 0.2562



19.8199, 0.2980, 0.3241



26.4018, 0.2063, 0.2625



2.7213, 0.2086, 0.2709

Inverse Universe

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



54.6671, 0.3313, 0.2581



48.3098, 0.3362, 0.2440



79.6767, 0.3740, 0.3923



18.2336, 0.3169, 0.3102



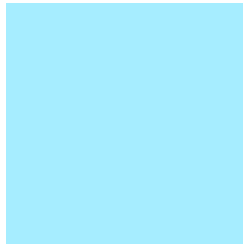
13.3932, 0.3800, 0.1867



1.3193, 0.3719, 0.1823

Previews

White Background



This preview shows how the Yxy color 75.8954, 0.2606, 0.3087 looks on a white background.

Color Contrast Check

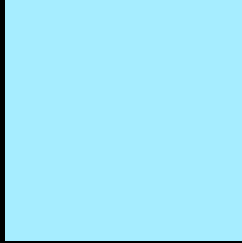
Large Text (above 18pt) WCAG AA × Fail

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 75.8954, 0.2606, 0.3087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

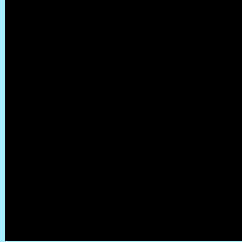
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.8954, 0.2606, 0.3087

Background



This preview shows how black text looks on a background with the Yxy color 75.8954, 0.2606, 0.3087.

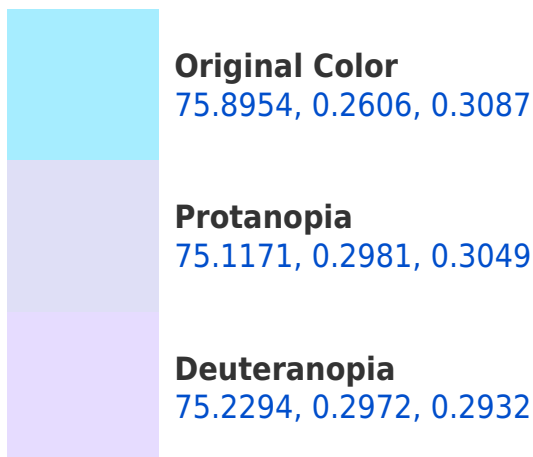


This preview shows how white text looks on a background with the Yxy color 75.8954, 0.2606, 0.3087.

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

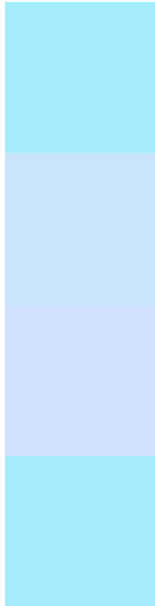




Tritanopia

75.5357, 0.2614, 0.3076

Trichromacy



Original Color

75.8954, 0.2606, 0.3087

Protanomaly

74.8829, 0.2830, 0.3063

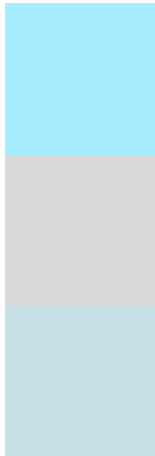
Deuteranomaly

74.8781, 0.2826, 0.2981

Tritanomaly

75.4264, 0.2609, 0.3076

Monochromacy



Original Color

75.8954, 0.2606, 0.3087

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

71.7621, 0.2914, 0.3222

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.8954, 0.2606, 0.3087 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, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(166, 237, 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, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 237, 255) }
```

Border

The CSS property to change the border of an element to Yxy 75.8954, 0.2606, 0.3087 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, 237, 255) }
```

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

```
.border{ border-color:rgb(166, 237, 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, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(166, 237,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 75.8954, 0.2606, 0.3087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 237, 255) }
```

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

```
.background{ background-color: rgb(166,  
237, 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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