

Converting Colors

$Y_{xy}(85.3578, 0.2254, 0.2303)$

Have a look what the booklet for
Yxy(85.3578, 0.2254, 0.2303)
contains.

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Color

Yxy(77.8650, 0.2620, 0.3122)

Conversions

Conversions Part 1

Format	Color
Hex	A8F0FF
RGB	168, 240, 255
RGB Percent	66%, 94%, 100%
CMY	0.3415, 0.0587, 0.0000
CMYK	0.34, 0.06, 0.00, 0.00
HSL	190°, 100%, 83%
HSV	190°, 34%, 100%
XYZ	65.3447, 77.8650, 106.1977
YIQ	220.1820, -47.7270, -10.5990

Conversions

Conversions Part 2

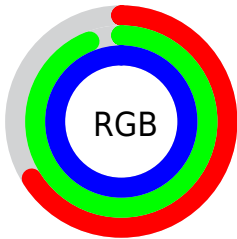
Format	Color
RYB	168, 207, 255
Decimal	11071743
CIELab	90.72, -18.70, -14.35
CIElCh	91, 23.568, 217.494
Yxy	77.8650, 0.2620, 0.3122
Android (android.graphics.Color)	4289261823 (0xFFA8F0FF)
YUV	220.1820, 17.1653, -45.7636
Hunter-Lab	88.2411, -22.2384, -9.5864

Details

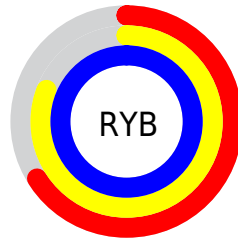
The Yxy color **77.8650, 0.2620, 0.3122** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **57.9061, 0.3885, 0.3450**, and the grayscale version is **71.5957, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9088, 0.2952, 0.3289**, and **41.8029, 0.2510, 0.3085** is the 20% darker color. If you saturate the color by 10%, you get **72.7881, 0.2491, 0.3065**, and if you desaturate by 10%, it is **83.5582, 0.2760, 0.3176**.

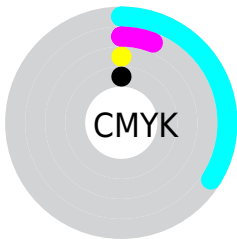
Distribution



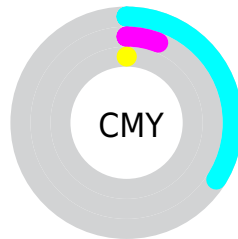
- Red (66%)
- Green (94%)
- Blue (100%)



- Red (66%)
- Yellow (81%)
- Blue (100%)



- Cyan (34%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)





- Cyan (34%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.8650, 0.2620, 0.3122 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 77.8650, 0.2620, 0.3122 by changing the saturation by 10% instead.

 77.8650, 0.2620,
0.3122

 77.8650, 0.2620,
0.3122

487.7082, 0.2848,
0.3203

 57.9631, 0.2570,
0.3103


 130.3598, 0.2698,
0.3151

 41.7790, 0.2509,
0.3079

163.7215, 0.2728,
0.3162

 28.9283, 0.2433,
0.3048


202.3385, 0.2755,
0.3171

 19.0266, 0.2336,
0.3007


246.5953, 0.2778,
0.3179

 11.6895, 0.2208,
0.2950

296.8763, 0.2798,
0.3186

 6.5326, 0.2033,
0.2865

353.5659, 0.2817,

 3.1716, 0.1780,

0.3193

0.2731

417.0484, 0.2833,
0.3198

■ 1.2219, 0.1372,
0.2497

■ 0.0795, 0.0000,
0.0677

■ 77.8650, 0.2620,
0.3122

■ 77.8650, 0.2620,
0.3122

■ 72.7881, 0.2491,
0.3065

■ 83.5582, 0.2760,
0.3176

■ 68.2870, 0.2377,
0.3005

■ 89.8898, 0.2909,
0.3226

■ 64.3283, 0.2280,
0.2943

■ 96.8905, 0.3063,
0.3272

■ 60.8714, 0.2202,
0.2881

100.0000, 0.3127,
0.3290

■ 57.8693, 0.2144,
0.2818

■ 55.2646, 0.2105,
0.2756

■ 53.8780, 0.2089,
0.2720

Harmonies

Analogous

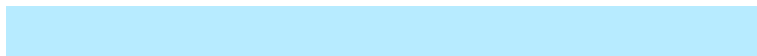
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.8650, 0.2749, 0.3382



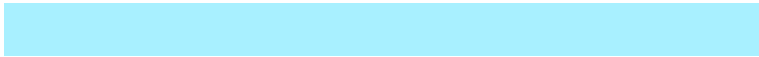
77.8650, 0.2620, 0.3122



77.8650, 0.2620, 0.2925

Triad

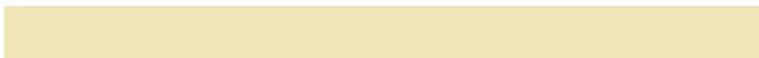
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.8650, 0.2620, 0.3122



77.8650, 0.3261, 0.2986



77.8650, 0.3507, 0.3765

Complementary

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



77.8650, 0.2620, 0.3122



57.9061, 0.3885, 0.3450

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.



77.8650, 0.3659, 0.3631



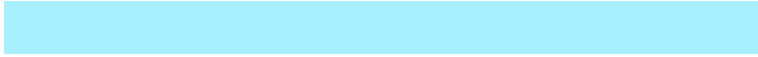
77.8650, 0.2620, 0.3122



77.8650, 0.3514, 0.3187

Square

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



77.8650, 0.2620, 0.3122



77.8650, 0.2980, 0.2859



77.8650, 0.3663, 0.3419



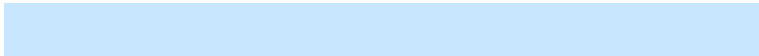
77.8650, 0.3257, 0.3768

Rectangle

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



77.8650, 0.2620, 0.3122



77.8650, 0.2692, 0.2852



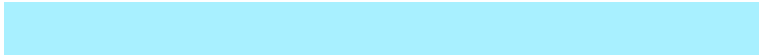
77.8650, 0.3663, 0.3419



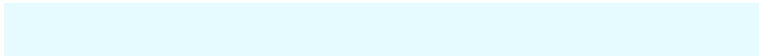
77.8650, 0.3572, 0.3733

Sweetspot

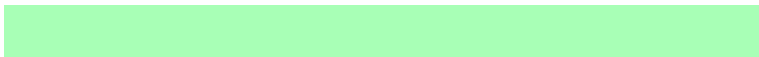
The Sweet Spot groups the original color and five complimentary colors.



77.8676, 0.2620, 0.3122



92.7138, 0.2972, 0.3246



83.2303, 0.3004, 0.4141



19.6372, 0.2951, 0.3239



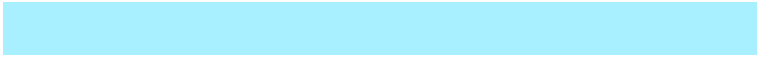
0.0000, 0.0000, 0.0000



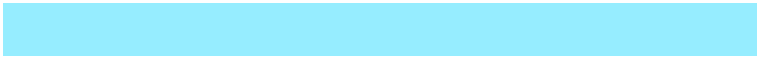
21.4041, 0.3127, 0.3290

Same Dimension

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



77.8676, 0.2620, 0.3122



74.3252, 0.2530, 0.3083



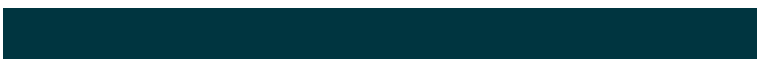
55.4411, 0.2553, 0.2615



19.9184, 0.2980, 0.3248



28.3475, 0.2092, 0.2730



2.8940, 0.2111, 0.2801

Inverse Universe

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



55.5254, 0.3286, 0.2572



49.3320, 0.3326, 0.2431



78.4607, 0.3735, 0.3882



18.2436, 0.3164, 0.3095



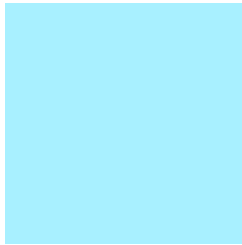
13.5897, 0.3700, 0.1812



1.3367, 0.3634, 0.1775

Previews

White Background



This preview shows how the Yxy color 77.8650, 0.2620, 0.3122 looks on a white background.

Color Contrast Check

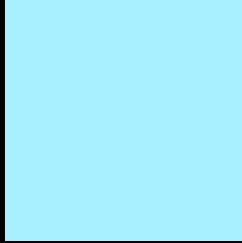
Large Text (above 18pt) WCAG AA × Fail

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 77.8650, 0.2620, 0.3122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

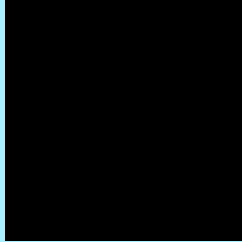
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.8650, 0.2620, 0.3122

Background



This preview shows how black text looks on a background with the Yxy color 77.8650, 0.2620, 0.3122.

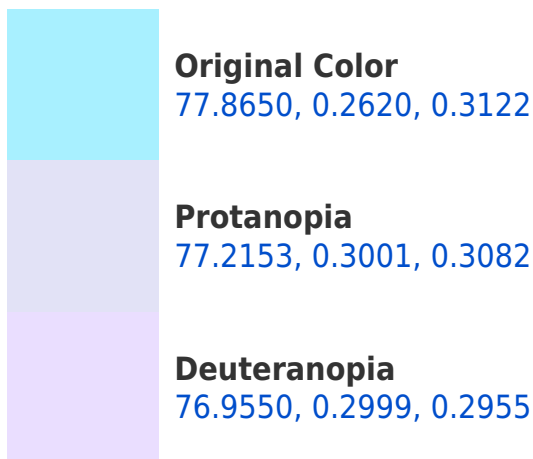


This preview shows how white text looks on a background with the Yxy color 77.8650, 0.2620, 0.3122.

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

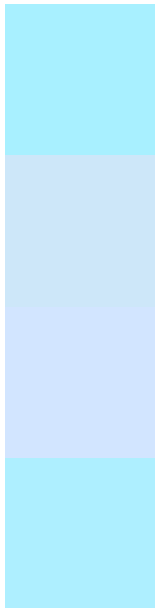




Tritanopia

77.8340, 0.2670, 0.3102

Trichromacy



Original Color

77.8650, 0.2620, 0.3122

Protanomaly

76.9705, 0.2850, 0.3097

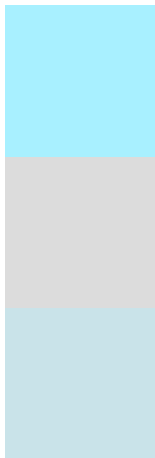
Deuteranomaly

76.9603, 0.2846, 0.3015

Tritanomaly

77.9517, 0.2650, 0.3112

Monochromacy



Original Color

77.8650, 0.2620, 0.3122

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

73.2389, 0.2916, 0.3223

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.8650, 0.2620, 0.3122 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(168, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(168, 240, 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(168, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 240, 255) }
```

Border

The CSS property to change the border of an element to Yxy 77.8650, 0.2620, 0.3122 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(168, 240, 255) }
```

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

```
.border{ border-color:rgb(168, 240, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(168, 240,  
255) }
```


Background

The CSS property to change the background color of an element to $Yxy\ 77.8650, 0.2620, 0.3122$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 240, 255) }
```

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

```
.background{ background-color: rgb(168,  
240, 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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