

Converting Colors

$Yxy(77.3394, 0.2588, 0.3124)$

Have a look what the booklet for
Yxy(77.3394, 0.2588, 0.3124)
contains.

Yxy(77.1172, 0.2586, 0.3120)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.1172, 0.2586, 0.3120)

Conversions

Conversions Part 1

Format	Color
Hex	A1F0FF
RGB	161, 240, 255
RGB Percent	63%, 94%, 100%
CMY	0.3684, 0.0589, 0.0000
CMYK	0.37, 0.06, 0.00, 0.00
HSL	190°, 100%, 82%
HSV	190°, 37%, 100%
XYZ	63.9183, 77.1172, 106.1350
YIQ	218.0890, -51.8990, -12.0830

Conversions

Conversions Part 2

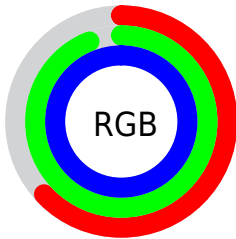
Format	Color
RYB	161, 204, 255
Decimal	10612991
CIELab	90.38, -20.46, -14.90
CIElCh	90, 25.306, 216.063
Yxy	77.1172, 0.2586, 0.3120
Android (android.graphics.Color)	4288803071 (0xFFA1F0FF)
YUV	218.0890, 18.1971, -50.0671
Hunter-Lab	87.8164, -23.7552, -10.1865

Details

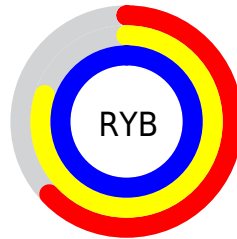
The Yxy color **77.1172, 0.2586, 0.3120** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **54.9131, 0.3972, 0.3451**, and the grayscale version is **70.0842, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8001, 0.2911, 0.3289**, and **41.3615, 0.2471, 0.3082** is the 20% darker color. If you saturate the color by 10%, you get **72.3617, 0.2462, 0.3066**, and if you desaturate by 10%, it is **82.4709, 0.2723, 0.3171**.

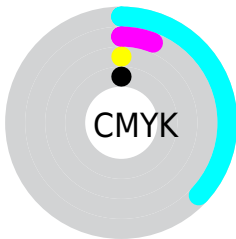
Distribution



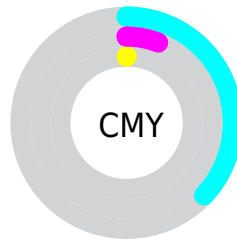
- Red (63%)
- Green (94%)
- Blue (100%)



- Red (63%)
- Yellow (80%)
- Blue (100%)



- Cyan (37%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)





- Cyan (37%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.1172, 0.2586, 0.3120 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 77.1172, 0.2586, 0.3120 by changing the saturation by 10% instead.


 77.1172, 0.2586,
0.3120

 77.1172, 0.2586,
0.3120


485.1635, 0.2829,
0.3203

 57.3491, 0.2532,
0.3100


 129.3049, 0.2669,
0.3149

 41.2856, 0.2467,
0.3075


 162.4933, 0.2701,
0.3161

 28.5423, 0.2386,
0.3043


200.9238, 0.2730,
0.3170

 18.7348, 0.2283,
0.3001

244.9810, 0.2754,
0.3179

 11.4788, 0.2147,
0.2941

295.0492, 0.2776,
0.3186

 6.3899, 0.1961,
0.2853

351.5127, 0.2796,

 3.0836, 0.1694,

0.3192

0.2711

414.7560, 0.2813,
0.3198

■ 1.1755, 0.1244,
0.2468

■ 0.0416, 0.0000,
0.0367

■ 77.1172, 0.2586,
0.3120

■ 77.1172, 0.2586,
0.3120

■ 72.3617, 0.2462,
0.3066

■ 82.4709, 0.2723,
0.3171

■ 68.1649, 0.2354,
0.3011

■ 88.4473, 0.2869,
0.3219

■ 64.4918, 0.2264,
0.2953

■ 95.0767, 0.3021,
0.3262

■ 61.3004, 0.2193,
0.2895

100.0000, 0.3127,
0.3290

■ 58.5416, 0.2142,
0.2838

■ 56.1533, 0.2109,
0.2781

■ 55.4457, 0.2101,
0.2763

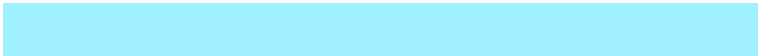
Harmonies

Analogous

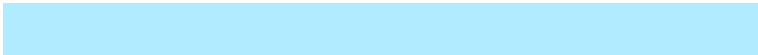
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.1172, 0.2730, 0.3402



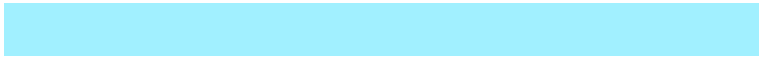
77.1172, 0.2586, 0.3120



77.1172, 0.2579, 0.2904

Triad

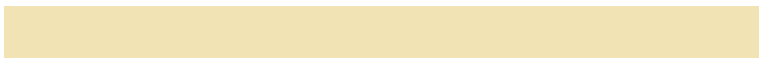
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.1172, 0.2586, 0.3120



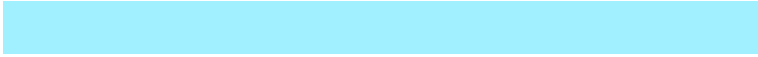
77.1172, 0.3256, 0.2955



77.1172, 0.3547, 0.3798

Complementary

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



77.1172, 0.2586, 0.3120



54.9131, 0.3972, 0.3451

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.



77.1172, 0.3704, 0.3646



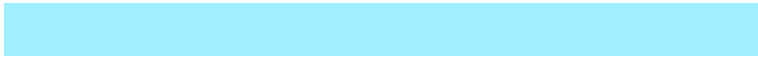
77.1172, 0.2586, 0.3120



77.1172, 0.3533, 0.3167

Square

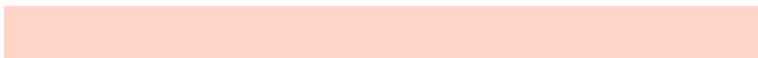
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.1172, 0.2586, 0.3120



77.1172, 0.2954, 0.2824



77.1172, 0.3700, 0.3415



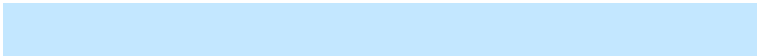
77.1172, 0.3280, 0.3810

Rectangle

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



77.1172, 0.2586, 0.3120



77.1172, 0.2652, 0.2823



77.1172, 0.3700, 0.3415



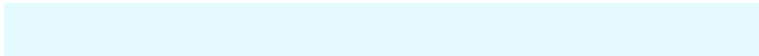
77.1172, 0.3615, 0.3760

Sweetspot

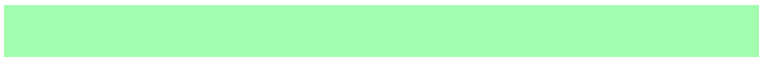
The Sweet Spot groups the original color and five complimentary colors.



77.1193, 0.2586, 0.3120



92.2368, 0.2957, 0.3245



82.2046, 0.3003, 0.4240



19.5498, 0.2936, 0.3239



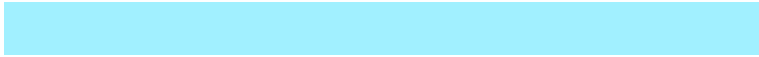
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



77.1193, 0.2586, 0.3120



73.6537, 0.2496, 0.3082



53.3604, 0.2507, 0.2571



19.9580, 0.2980, 0.3251



29.1563, 0.2103, 0.2772



2.9654, 0.2122, 0.2837

Inverse Universe

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



53.0621, 0.3292, 0.2505



46.9637, 0.3332, 0.2360



76.1425, 0.3795, 0.3914



18.2476, 0.3163, 0.3093



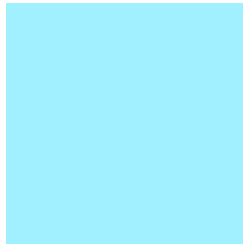
13.6713, 0.3660, 0.1790



1.3439, 0.3600, 0.1757

Previews

White Background



This preview shows how the Yxy color 77.1172, 0.2586, 0.3120 looks on a white background.

Color Contrast Check

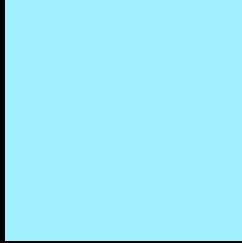
Large Text (above 18pt) WCAG AA × Fail

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 77.1172, 0.2586, 0.3120 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 77.1172, 0.2586, 0.3120

Background



This preview shows how black text looks on a background with the Yxy color 77.1172, 0.2586, 0.3120.

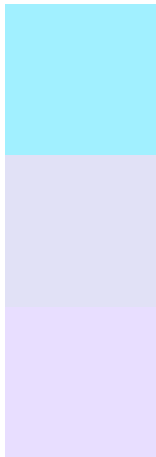


This preview shows how white text looks on a background with the Yxy color 77.1172, 0.2586, 0.3120.

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

77.1172, 0.2586, 0.3120

Protanopia

76.5118, 0.2995, 0.3071

Deuteranopia

76.6184, 0.2986, 0.2954



Tritanopia

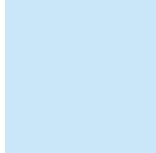
77.0270, 0.2633, 0.3100

Trichromacy



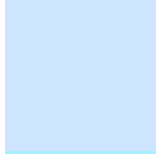
Original Color

77.1172, 0.2586, 0.3120



Protanomaly

75.9897, 0.2831, 0.3085



Deuteranomaly

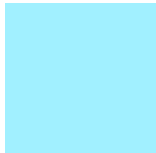
76.3804, 0.2822, 0.3013



Tritanomaly

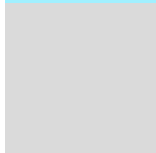
77.1685, 0.2614, 0.3110

Monochromacy



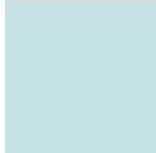
Original Color

77.1172, 0.2586, 0.3120



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

72.0326, 0.2902, 0.3233

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.1172, 0.2586, 0.3120 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(161, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(161, 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(161, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 240, 255) }
```

Border

The CSS property to change the border of an element to Yxy 77.1172, 0.2586, 0.3120 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(161, 240, 255) }
```

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

```
.border{ border-color:rgb(161, 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(161, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(161, 240,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 77.1172, 0.2586, 0.3120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 240, 255) }
```

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

```
.background{ background-color: rgb(161,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor