

Converting Colors

Yxy(81.8711, 0.2730, 0.3356)

Have a look what the booklet for
Yxy(81.8711, 0.2730, 0.3356)
contains.

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Color

Yxy(81.8711, 0.2730, 0.3356)

Conversions

Conversions Part 1

Format	Color
Hex	AEF7F1
RGB	174, 247, 241
RGB Percent	68%, 97%, 95%
CMY	0.3174, 0.0314, 0.0550
CMYK	0.30, 0.00, 0.02, 0.03
HSL	175°, 82%, 83%
HSV	175°, 30%, 97%
XYZ	66.5996, 81.8711, 95.4838
YIQ	224.4890, -41.5820, -17.3420

Conversions

Conversions Part 2

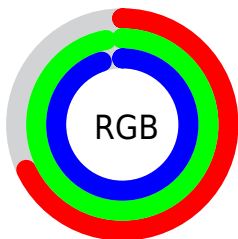
Format	Color
RYB	174, 212, 247
Decimal	11466737
CIELab	92.52, -23.65, -4.33
CIELCh	93, 24.043, 190.386
Yxy	81.8711, 0.2730, 0.3356
Android (android.graphics.Color)	4289656817 (0xFFAEF7F1)
YUV	224.4890, 8.1399, -44.2789
Hunter-Lab	90.4827, -26.9601, 0.7708

Details

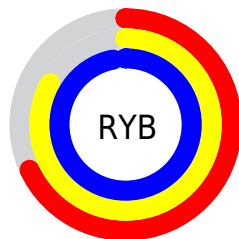
The Yxy color **81.8711, 0.2730, 0.3356** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **53.3700, 0.3734, 0.3227**, and the grayscale version is **74.8819, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7289, 0.2982, 0.3290**, and **44.2516, 0.2642, 0.3362** is the 20% darker color. If you saturate the color by 10%, you get **79.1709, 0.2618, 0.3382**, and if you desaturate by 10%, it is **85.1009, 0.2855, 0.3332**.

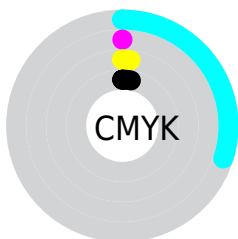
Distribution



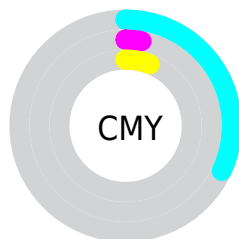
- Red (68%)
- Green (97%)
- Blue (95%)



- Red (68%)
- Yellow (83%)
- Blue (97%)



- Cyan (30%)
- Magenta (0%)
- Yellow (2%)
- Black (3%)





- Cyan (32%)
- Magenta (3%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.8711, 0.2730, 0.3356 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 81.8711, 0.2730, 0.3356 by changing the saturation by 10% instead.

 81.8711, 0.2730,
0.3356

 81.8711, 0.2730,
0.3356

501.2164, 0.2908,
0.3328

 61.2593, 0.2691,
0.3362


 135.9932, 0.2791,
0.3347

 44.4345, 0.2642,
0.3368


170.2723, 0.2815,
0.3343

 31.0122, 0.2582,
0.3377


209.8760, 0.2836,
0.3340

 20.6081, 0.2506,
0.3386


255.1886, 0.2854,
0.3337

 12.8379, 0.2404,
0.3398

306.5946, 0.2870,
0.3335

 7.3170, 0.2263,
0.3413


364.4782, 0.2884,


 3.6611, 0.2056,


0.3332


0.3430


429.2241, 0.2897,
0.3330


 1.4859, 0.1716,
0.3447


 0.2788, 0.0000,
0.3149


 81.8711, 0.2730,
0.3356


 81.8711, 0.2730,
0.3356


 79.1709, 0.2618,
0.3382


 85.1009, 0.2855,
0.3332

 76.9618, 0.2522,
0.3409

 88.8769, 0.2991,
0.3310


 75.2157, 0.2444,
0.3436


 93.2270, 0.3134,
0.3289


 73.8976, 0.2385,
0.3465


 94.6274, 0.3166,
0.3270

 72.9677, 0.2345,
0.3493


 94.7556, 0.3153,
0.3250

 72.3783, 0.2325,
0.3521

 94.8853, 0.3141,
0.3231

 72.0548, 0.2320,
0.3549

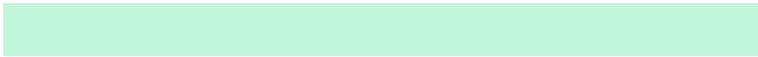
 94.9994, 0.3131,
0.3214

 72.0419, 0.2320,
0.3551

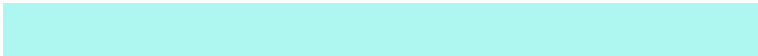
Harmonies

Analogous

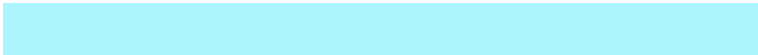
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.8711, 0.2954, 0.3606



81.8711, 0.2730, 0.3356



81.8711, 0.2613, 0.3099

Triad

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



81.8711, 0.2730, 0.3356



81.8711, 0.3005, 0.2866



81.8711, 0.3652, 0.3650

Complementary

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



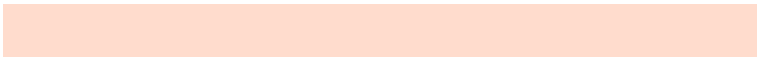
81.8711, 0.2730, 0.3356



53.3700, 0.3734, 0.3227

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.



81.8711, 0.3671, 0.3442



81.8711, 0.2730, 0.3356



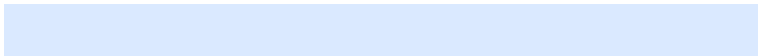
81.8711, 0.3288, 0.3002

Square

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



81.8711, 0.2730, 0.3356



81.8711, 0.2766, 0.2830



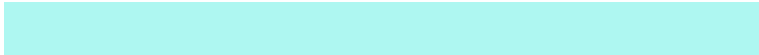
81.8711, 0.3536, 0.3208



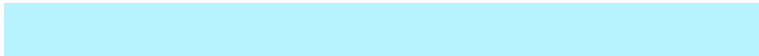
81.8711, 0.3488, 0.3773

Rectangle

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



81.8711, 0.2730, 0.3356



81.8711, 0.2606, 0.2962



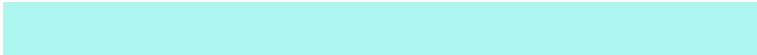
81.8711, 0.3536, 0.3208



81.8711, 0.3676, 0.3587

Sweetspot

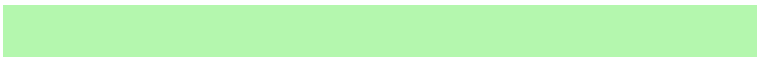
The Sweet Spot groups the original color and five complimentary colors.



81.8744, 0.2730, 0.3356



95.7826, 0.2998, 0.3308



79.2984, 0.3124, 0.4145



20.3657, 0.2978, 0.3312



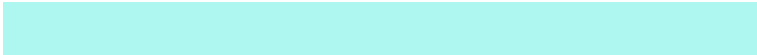
0.0000, 0.0000, 0.0000



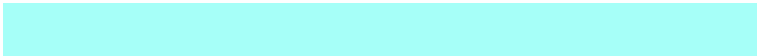
21.4041, 0.3127, 0.3290

Same Dimension

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



81.8744, 0.2730, 0.3356



86.3538, 0.2666, 0.3370



65.1455, 0.2661, 0.2940



18.7328, 0.2992, 0.3309



38.1121, 0.2318, 0.3546



3.3565, 0.2309, 0.3511

Inverse Universe

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



53.3700, 0.3734, 0.3227



51.4638, 0.3897, 0.3215



66.2336, 0.3695, 0.3615



16.5047, 0.3281, 0.3271



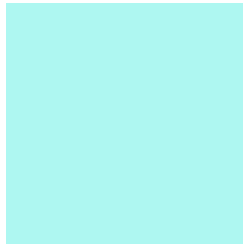
10.4935, 0.6311, 0.3250



0.9298, 0.6108, 0.3138

Previews

White Background



This preview shows how the Yxy color 81.8711, 0.2730, 0.3356 looks on a white background.

Color Contrast Check

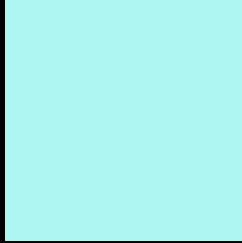
Large Text (above 18pt) WCAG AA × Fail

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 81.8711, 0.2730, 0.3356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

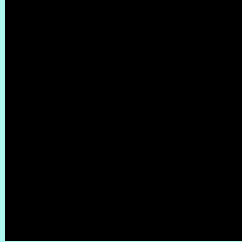
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.8711, 0.2730, 0.3356

Background



This preview shows how black text looks on a background with the Yxy color 81.8711, 0.2730, 0.3356.

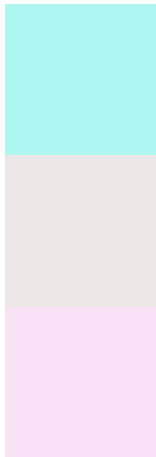


This preview shows how white text looks on a background with the Yxy color 81.8711, 0.2730, 0.3356.

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

81.8711, 0.2730, 0.3356

Protanopia

80.9825, 0.3162, 0.3280

Deuteranopia

81.1250, 0.3164, 0.3102



Tritanopia

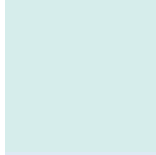
81.8664, 0.2772, 0.3140

Trichromacy



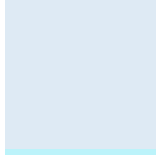
Original Color

81.8711, 0.2730, 0.3356



Protanomaly

80.8627, 0.2989, 0.3311



Deuteranomaly

80.9069, 0.2987, 0.3185



Tritanomaly

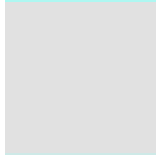
81.6947, 0.2755, 0.3213

Monochromacy



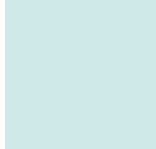
Original Color

81.8711, 0.2730, 0.3356



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

77.1692, 0.2962, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.8711, 0.2730, 0.3356 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(174, 247, 241)` looks like.

```
.text, #text, p{  
    color:rgb(174, 247, 241)  
}
```

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(174, 247, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 247, 241) }
```

Border

The CSS property to change the border of an element to Yxy 81.8711, 0.2730, 0.3356 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(174, 247, 241) }
```

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

```
.border{ border-color:rgb(174, 247, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 247, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 247, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 247, 241);  
box-shadow:4px 4px 4px 4px rgb(174, 247,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 81.8711, 0.2730, 0.3356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 247, 241) }
```

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

```
.background{ background-color: rgb(174,  
247, 241) }
```

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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