

Converting Colors

$Yxy(82.6140, 0.2403, 0.2955)$

Have a look what the booklet for
Yxy(82.6140, 0.2403, 0.2955)
contains.

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Color

Yxy(81.0802, 0.2506, 0.3231)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 8BFAFF |
| RGB | 139, 250, 255 |
| RGB Percent | 55%, 98%, 100% |
| CMY | 0.4549, 0.0196, 0.0000 |
| CMYK | 0.45, 0.02, 0.00, 0.00 |
| HSL | 183°, 100%, 77% |
| HSV | 183°, 45%, 100% |
| XYZ | 62.8867, 81.0802, 106.9777 |
| YIQ | 217.3810, -67.7610, -21.9770 |

Conversions

Conversions Part 2

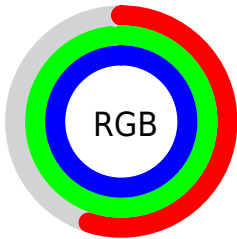
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 139, 196, 255 |
| Decimal | 9173759 |
| CIELab | 92.17, -30.55, -12.33 |
| CIELCh | 92, 32.944, 201.981 |
| Yxy | 81.0802, 0.2506, 0.3231 |
| Android (android.graphics.Color) | 4287363839 (0xFF8BFAFF) |
| YUV | 217.3810, 18.5462, -68.7401 |
| Hunter-Lab | 90.0445, -32.9143, -7.4085 |

Details

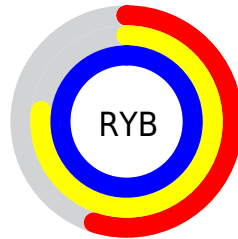
The Yxy color **81.0802, 0.2506, 0.3231** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **43.0675, 0.4340, 0.3346**, and the grayscale version is **69.5666, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.7458, 0.2794, 0.3289**, and **43.8368, 0.2375, 0.3213** is the 20% darker color. If you saturate the color by 10%, you get **78.4549, 0.2410, 0.3217**, and if you desaturate by 10%, it is **84.2221, 0.2620, 0.3246**.

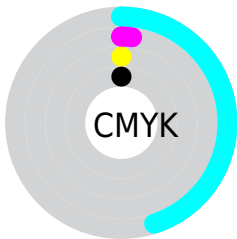
Distribution



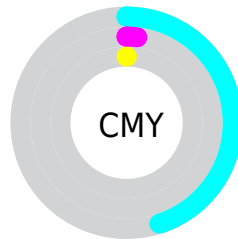
- Red (55%)
- Green (98%)
- Blue (100%)



- Red (55%)
- Yellow (77%)
- Blue (100%)



- Cyan (45%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)





- Cyan (45%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.0802, 0.2506, 0.3231 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 81.0802, 0.2506, 0.3231 by changing the saturation by 10% instead.


 81.0802, 0.2506,
0.3231


 81.0802, 0.2506,
0.3231

498.5658, 0.2782,
0.3265

 60.6077, 0.2446,
0.3222


 134.8834, 0.2599,
0.3244

 43.9086, 0.2373,
0.3210


 168.9828, 0.2636,
0.3248

 30.5987, 0.2283,
0.3194


208.3933, 0.2669,
0.3252

 20.2934, 0.2169,
0.3172

253.4993, 0.2697,
0.3256

 12.6085, 0.2021,
0.3139

304.6851, 0.2722,
0.3258

 7.1595, 0.1820,
0.3087

362.3352, 0.2744,

 3.5621, 0.1538,

0.3261

0.2998

426.8340, 0.2764,
0.3263

■ 1.4317, 0.1061,
0.2841

■ 0.2399, 0.0000,
0.1749

■ 81.0802, 0.2506,
0.3231

■ 81.0802, 0.2506,
0.3231

■ 78.4549, 0.2410,
0.3217

■ 84.2221, 0.2620,
0.3246

■ 76.3089, 0.2332,
0.3202

■ 87.9121, 0.2749,
0.3259

■ 74.6018, 0.2275,
0.3188

■ 92.1804, 0.2891,
0.3272

■ 73.2859, 0.2236,
0.3173

■ 97.0549, 0.3041,
0.3284

■ 72.3023, 0.2215,
0.3159

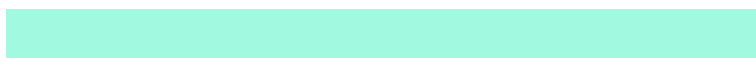
100.0000, 0.3127,
0.3290

■ 71.9293, 0.2209,
0.3152

Harmonies

Analogous

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



81.0802, 0.2755, 0.3604



81.0802, 0.2506, 0.3231



81.0802, 0.2417, 0.2906

Triad

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



81.0802, 0.2506, 0.3231



81.0802, 0.3104, 0.2776



81.0802, 0.3779, 0.3860

Complementary

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



81.0802, 0.2506, 0.3231



43.0675, 0.4340, 0.3346

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.



81.0802, 0.3893, 0.3604



81.0802, 0.2506, 0.3231



81.0802, 0.3490, 0.2998

Square

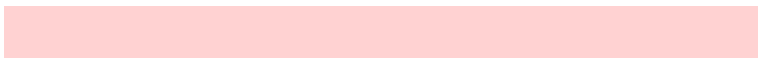
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.0802, 0.2506, 0.3231



81.0802, 0.2745, 0.2671



81.0802, 0.3786, 0.3293



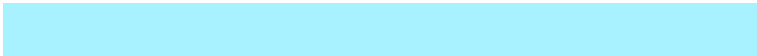
81.0802, 0.3489, 0.3978

Rectangle

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



81.0802, 0.2506, 0.3231



81.0802, 0.2454, 0.2759



81.0802, 0.3786, 0.3293



81.0802, 0.3840, 0.3786

Sweetspot

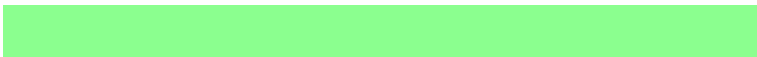
The Sweet Spot groups the original color and five complimentary colors.



81.0806, 0.2506, 0.3232



92.8692, 0.2913, 0.3274



78.9872, 0.3042, 0.4679



19.6657, 0.2881, 0.3271



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.



81.0806, 0.2506, 0.3232



78.5729, 0.2414, 0.3218



50.9054, 0.2382, 0.2537



20.3393, 0.2980, 0.3279



37.6437, 0.2210, 0.3155



3.7052, 0.2214, 0.3171

Inverse Universe

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



46.6252, 0.3222, 0.2218



40.3014, 0.3243, 0.2028



64.8333, 0.4046, 0.3929



18.2861, 0.3145, 0.3066



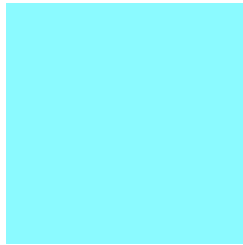
14.5281, 0.3320, 0.1603



1.4186, 0.3306, 0.1595

Previews

White Background



This preview shows how the Yxy color 81.0802, 0.2506, 0.3231 looks on a white background.

Color Contrast Check

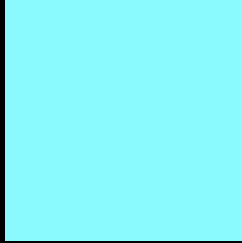
Large Text (above 18pt) WCAG AA × Fail

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 81.0802, 0.2506, 0.3231 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 81.0802, 0.2506, 0.3231

Background



This preview shows how black text looks on a background with the Yxy color 81.0802, 0.2506, 0.3231.

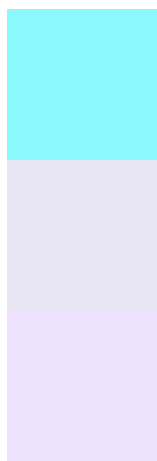


This preview shows how white text looks on a background with the Yxy color 81.0802, 0.2506, 0.3231.

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

81.0802, 0.2506, 0.3231

Protanopia

80.2205, 0.3059, 0.3156

Deuteranopia

79.7899, 0.3026, 0.2999



Tritanopia

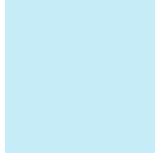
80.6693, 0.2696, 0.3147

Trichromacy



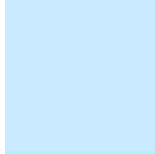
Original Color

81.0802, 0.2506, 0.3231



Protanomaly

79.2895, 0.2823, 0.3181



Deuteranomaly

79.1932, 0.2802, 0.3077



Tritanomaly

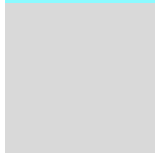
80.6318, 0.2618, 0.3178

Monochromacy



Original Color

81.0802, 0.2506, 0.3231



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

72.6270, 0.2853, 0.3267

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.0802, 0.2506, 0.3231 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(139, 250, 255)` looks like.

```
.text, #text, p{  
    color:rgb(139, 250, 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(139, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 250, 255) }
```

Border

The CSS property to change the border of an element to Yxy 81.0802, 0.2506, 0.3231 is called "border". The border property can be set on classes, ids or directly on the HTML element.

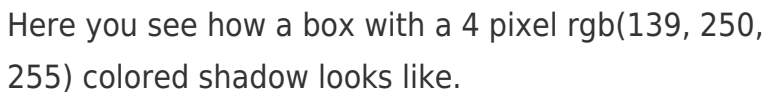
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(139, 250, 255) }
```

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

```
.border{ border-color:rgb(139, 250, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(139, 250, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(139, 250, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(139, 250, 255); box-shadow:4px 4px 4px 4px rgb(139, 250, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 81.0802, 0.2506, 0.3231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 250, 255) }
```

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

```
.background{ background-color: rgb(139,  
250, 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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