

Converting Colors

$Yxy(81.1088, 0.2630, 0.3182)$

Have a look what the booklet for
Yxy(81.1088, 0.2630, 0.3182)
contains.

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Color

Yxy(80.8496, 0.2628, 0.3178)

Conversions

Conversions Part 1

Format	Color
Hex	A8F5FF
RGB	168, 245, 255
RGB Percent	66%, 96%, 100%
CMY	0.3410, 0.0392, 0.0000
CMYK	0.34, 0.04, 0.00, 0.00
HSL	187°, 100%, 83%
HSV	187°, 34%, 100%
XYZ	66.8574, 80.8496, 106.6970
YIQ	223.1170, -49.1020, -13.2140

Conversions

Conversions Part 2

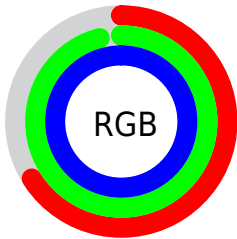
Format	Color
RYB	168, 209, 255
Decimal	11073023
CIELab	92.06, -21.12, -12.33
CIElCh	92, 24.461, 210.281
Yxy	80.8496, 0.2628, 0.3178
Android (android.graphics.Color)	4289263103 (0xFFA8F5FF)
YUV	223.1170, 15.7183, -48.3376
Hunter-Lab	89.9164, -24.6300, -7.4135

Details

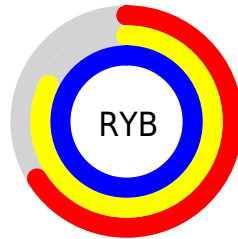
The Yxy color **80.8496, 0.2628, 0.3178** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **55.9456, 0.3901, 0.3398**, and the grayscale version is **73.7983, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9088, 0.2952, 0.3289**, and **43.9172, 0.2522, 0.3159** is the 20% darker color. If you saturate the color by 10%, you get **76.5609, 0.2505, 0.3140**, and if you desaturate by 10%, it is **85.7203, 0.2764, 0.3214**.

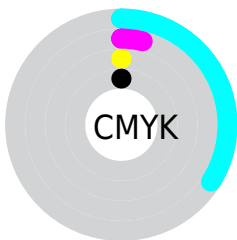
Distribution



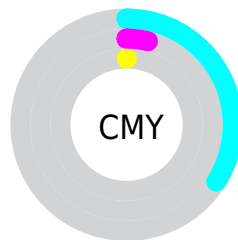
- Red (66%)
- Green (96%)
- Blue (100%)



- Red (66%)
- Yellow (82%)
- Blue (100%)



- Cyan (34%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)





- Cyan (34%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.8496, 0.2628, 0.3178 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 80.8496, 0.2628, 0.3178 by changing the saturation by 10% instead.

 80.8496, 0.2628,
0.3178

 80.8496, 0.2628,
0.3178


497.7914, 0.2851,
0.3233

 60.4177, 0.2579,
0.3165


 134.5596, 0.2704,
0.3198

 43.7554, 0.2520,
0.3148


168.6065, 0.2734,
0.3205

 30.4783, 0.2446,
0.3126


207.9605, 0.2759,
0.3212

 20.2019, 0.2352,
0.3097

253.0060, 0.2782,
0.3217

 12.5419, 0.2229,
0.3056

304.1275, 0.2802,
0.3222

 7.1139, 0.2061,
0.2995

361.7093, 0.2820,

 3.5334, 0.1820,

0.3226

0.2895

426.1358, 0.2836,
0.3230

■ 1.4161, 0.1445,
0.2714

■ 0.2286, 0.0000,
0.1696

■ 80.8496, 0.2628,
0.3178

■ 80.8496, 0.2628,
0.3178

■ 76.5609, 0.2505,
0.3140

■ 85.7203, 0.2764,
0.3214

■ 72.8142, 0.2398,
0.3101

■ 91.1951, 0.2910,
0.3247

■ 69.5765, 0.2308,
0.3061

■ 97.3041, 0.3063,
0.3278

■ 66.8074, 0.2238,
0.3020

100.0000, 0.3127,
0.3290

■ 64.4603, 0.2188,
0.2979

■ 62.4782, 0.2156,
0.2939

■ 61.4327, 0.2143,
0.2916

Harmonies

Analogous

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



80.8496, 0.2788, 0.3449



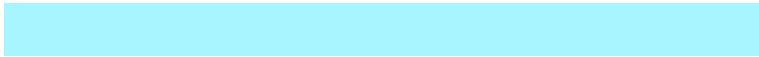
80.8496, 0.2628, 0.3178



80.8496, 0.2595, 0.2956

Triad

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



80.8496, 0.2628, 0.3178



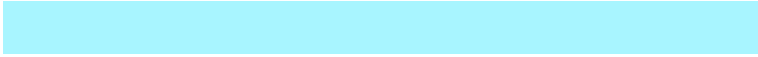
80.8496, 0.3194, 0.2939



80.8496, 0.3566, 0.3754

Complementary

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



80.8496, 0.2628, 0.3178



55.9456, 0.3901, 0.3398

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.



80.8496, 0.3688, 0.3592



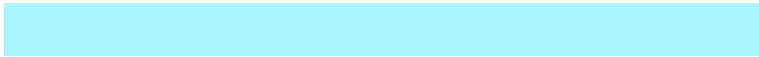
80.8496, 0.2628, 0.3178



80.8496, 0.3469, 0.3130

Square

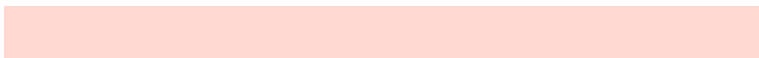
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



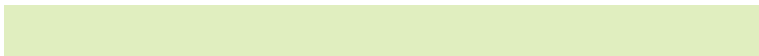
80.8496, 0.2628, 0.3178



80.8496, 0.2912, 0.2832



80.8496, 0.3653, 0.3364



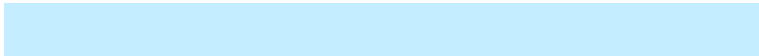
80.8496, 0.3327, 0.3794

Rectangle

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



80.8496, 0.2628, 0.3178



80.8496, 0.2649, 0.2862



80.8496, 0.3653, 0.3364



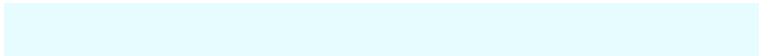
80.8496, 0.3622, 0.3711

Sweetspot

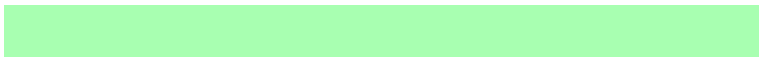
The Sweet Spot groups the original color and five complimentary colors.



80.8521, 0.2628, 0.3178



93.6232, 0.2972, 0.3260



83.0127, 0.3034, 0.4210



19.8586, 0.2951, 0.3256



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.



80.8521, 0.2628, 0.3178



77.8325, 0.2542, 0.3152



58.1772, 0.2563, 0.2686



20.1035, 0.2980, 0.3262



32.2422, 0.2145, 0.2923



3.2363, 0.2158, 0.2968

Inverse Universe

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



55.8717, 0.3246, 0.2528



49.6861, 0.3275, 0.2379



75.3880, 0.3753, 0.3826



18.2623, 0.3156, 0.3082



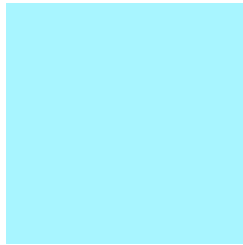
13.9828, 0.3523, 0.1714



1.3712, 0.3482, 0.1692

Previews

White Background



This preview shows how the Yxy color 80.8496, 0.2628, 0.3178 looks on a white background.

Color Contrast Check

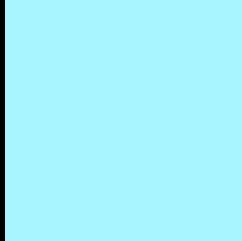
Large Text (above 18pt) WCAG AA × Fail

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 80.8496, 0.2628, 0.3178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

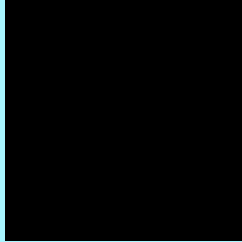
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.8496, 0.2628, 0.3178

Background



This preview shows how black text looks on a background with the Yxy color 80.8496, 0.2628, 0.3178.

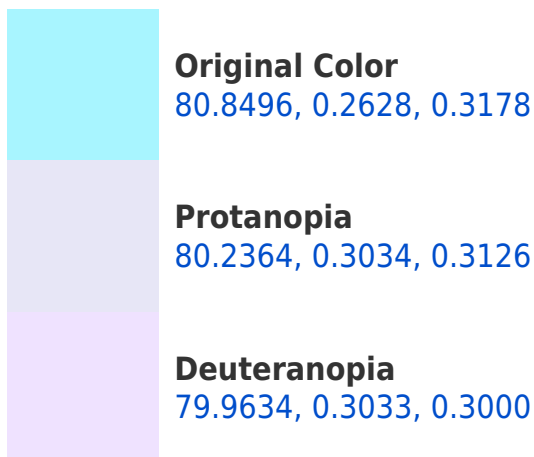


This preview shows how white text looks on a background with the Yxy color 80.8496, 0.2628, 0.3178.

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

80.3590, 0.2732, 0.3127

Trichromacy



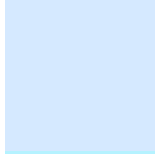
Original Color

80.8496, 0.2628, 0.3178



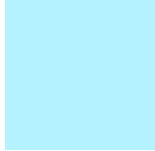
Protanomaly

79.6661, 0.2871, 0.3141



Deuteranomaly

79.6440, 0.2867, 0.3059



Tritanomaly

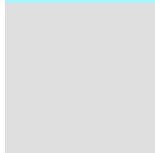
80.5480, 0.2690, 0.3147

Monochromacy



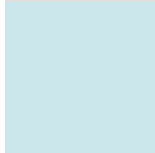
Original Color

80.8496, 0.2628, 0.3178



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

75.8465, 0.2918, 0.3246

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.8496, 0.2628, 0.3178 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, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(168, 245, 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, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 245, 255) }
```

Border

The CSS property to change the border of an element to Yxy 80.8496, 0.2628, 0.3178 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, 245, 255) }
```

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

```
.border{ border-color:rgb(168, 245, 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, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 245, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 245, 255); box-shadow:4px 4px 4px 4px rgb(168, 245, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 80.8496, 0.2628, 0.3178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 245, 255) }
```

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

```
.background{ background-color: rgb(168,  
245, 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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