

Converting Colors

$Yxy(80.6843, 0.2605, 0.3175)$

Have a look what the booklet for
Yxy(80.6843, 0.2605, 0.3175)
contains.

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Color

Yxy(80.4173, 0.2608, 0.3178)

Conversions

Conversions Part 1

Format	Color
Hex	A4F5FF
RGB	164, 245, 255
RGB Percent	64%, 96%, 100%
CMY	0.3572, 0.0391, 0.0001
CMYK	0.36, 0.04, 0.00, 0.00
HSL	187°, 100%, 82%
HSV	187°, 36%, 100%
XYZ	65.9938, 80.4173, 106.6326
YIQ	221.9210, -51.4860, -14.0620

Conversions

Conversions Part 2

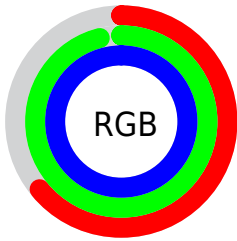
Format	Color
RYB	164, 207, 255
Decimal	10810879
CIELab	91.87, -22.21, -12.63
CIELCh	92, 25.553, 209.614
Yxy	80.4173, 0.2608, 0.3178
Android (android.graphics.Color)	4289000959 (0xFFA4F5FF)
YUV	221.9210, 16.3079, -50.7967
Hunter-Lab	89.6757, -25.5714, -7.7283

Details

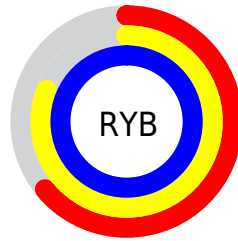
The Yxy color **80.4173, 0.2608, 0.3178** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **54.1498, 0.3955, 0.3397**, and the grayscale version is **72.8850, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **43.6606, 0.2501, 0.3158** is the 20% darker color. If you saturate the color by 10%, you get **76.3023, 0.2488, 0.3142**, and if you desaturate by 10%, it is **85.1077, 0.2742, 0.3212**.

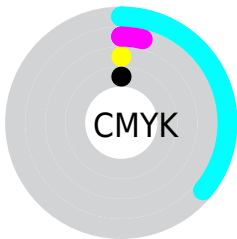
Distribution



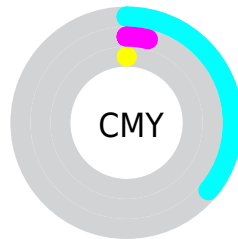
- Red (64%)
- Green (96%)
- Blue (100%)



- Red (64%)
- Yellow (81%)
- Blue (100%)



- Cyan (36%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)





- Cyan (36%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.4173, 0.2608, 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 80.4173, 0.2608, 0.3178 by changing the saturation by 10% instead.


 80.4173, 0.2608,
0.3178

 80.4173, 0.2608,
0.3178


496.3381, 0.2840,
0.3234

 60.0618, 0.2557,
0.3164


 133.9523, 0.2687,
0.3198

 43.4685, 0.2495,
0.3147


 167.9005, 0.2718,
0.3206

 30.2528, 0.2419,
0.3125

207.1485, 0.2745,
0.3212

 20.0306, 0.2321,
0.3095

252.0806, 0.2768,
0.3218

 12.4173, 0.2194,
0.3053

303.0812, 0.2789,
0.3222

 7.0285, 0.2019,
0.2990


360.5348, 0.2808,

 3.4799, 0.1770,

0.3227


0.2887


424.8256, 0.2825,
0.3230


 1.3871, 0.1377,
0.2701

 0.2072, 0.0000,
0.1566


 80.4173, 0.2608,
0.3178


 80.4173, 0.2608,
0.3178


 76.3023, 0.2488,
0.3142


 85.1077, 0.2742,
0.3212

 72.7204, 0.2384,
0.3104

 90.3940, 0.2886,
0.3245

 69.6385, 0.2298,
0.3066

 96.3074, 0.3038,
0.3274

 67.0155, 0.2232,
0.3028

99.9987, 0.3127,
0.3290

■ 64.8034, 0.2186,
0.2989

■ 62.9429, 0.2157,
0.2951

■ 62.2171, 0.2149,
0.2935

Harmonies

Analogous

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



80.4173, 0.2778, 0.3463



80.4173, 0.2608, 0.3178



80.4173, 0.2571, 0.2944

Triad

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



80.4173, 0.2608, 0.3178



80.4173, 0.3190, 0.2920



80.4173, 0.3590, 0.3773

Complementary

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



80.4173, 0.2608, 0.3178



54.1498, 0.3955, 0.3397

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.



80.4173, 0.3715, 0.3600



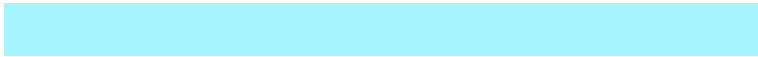
80.4173, 0.2608, 0.3178



80.4173, 0.3479, 0.3117

Square

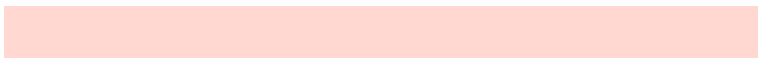
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.4173, 0.2608, 0.3178



80.4173, 0.2895, 0.2811



80.4173, 0.3675, 0.3361



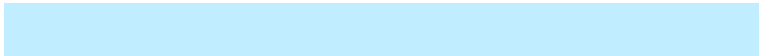
80.4173, 0.3342, 0.3819

Rectangle

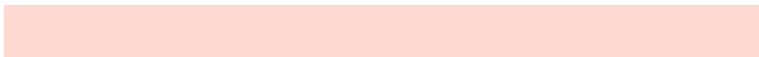
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.4173, 0.2608, 0.3178



80.4173, 0.2624, 0.2845



80.4173, 0.3675, 0.3361



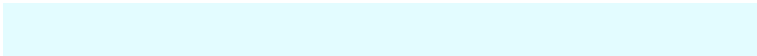
80.4173, 0.3648, 0.3727

Sweetspot

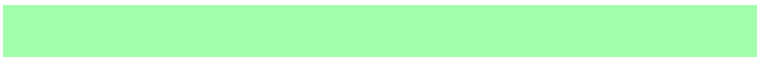
The Sweet Spot groups the original color and five complimentary colors.



80.4205, 0.2608, 0.3178



93.1222, 0.2957, 0.3259



82.4064, 0.3030, 0.4262



19.7622, 0.2937, 0.3255



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.



80.4205, 0.2608, 0.3178



77.3819, 0.2519, 0.3152



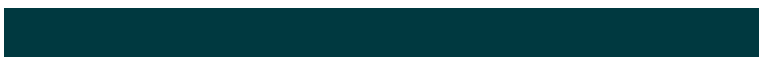
56.5639, 0.2535, 0.2652



20.1222, 0.2980, 0.3263



32.6521, 0.2151, 0.2942



3.2721, 0.2163, 0.2985

Inverse Universe

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



54.3662, 0.3248, 0.2488



48.0899, 0.3278, 0.2332



74.3606, 0.3788, 0.3851



18.2641, 0.3155, 0.3081



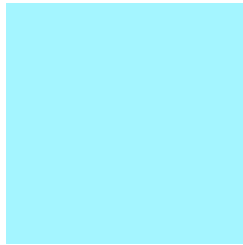
14.0242, 0.3506, 0.1705



1.3749, 0.3468, 0.1684

Previews

White Background



This preview shows how the Yxy color 80.4173, 0.2608, 0.3178 looks on a white background.

Color Contrast Check

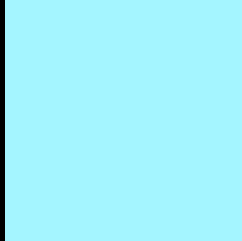
Large Text (above 18pt) WCAG AA × Fail

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 80.4173, 0.2608, 0.3178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

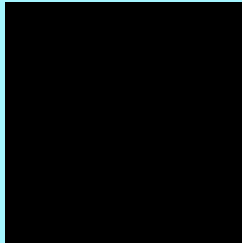
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.4173, 0.2608, 0.3178

Background



This preview shows how black text looks on a background with the Yxy color 80.4173, 0.2608, 0.3178.

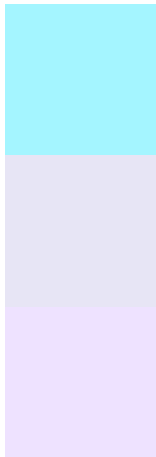


This preview shows how white text looks on a background with the Yxy color 80.4173, 0.2608, 0.3178.

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



Original Color

80.4173, 0.2608, 0.3178

Protanopia

79.6201, 0.3040, 0.3125

Deuteranopia

79.7899, 0.3026, 0.2999



Tritanopia

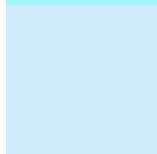
79.9793, 0.2715, 0.3126

Trichromacy



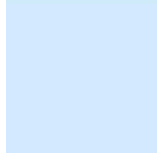
Original Color

80.4173, 0.2608, 0.3178



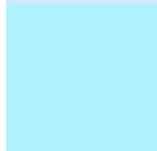
Protanomaly

79.5216, 0.2865, 0.3141



Deuteranomaly

79.3467, 0.2855, 0.3059



Tritanomaly

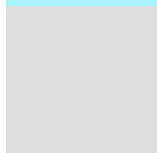
80.1892, 0.2675, 0.3147

Monochromacy



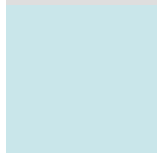
Original Color

80.4173, 0.2608, 0.3178



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

74.9516, 0.2911, 0.3245

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.4173, 0.2608, 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(164, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(164, 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(164, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 245, 255) }
```

Border

The CSS property to change the border of an element to Yxy 80.4173, 0.2608, 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(164, 245, 255) }
```

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

```
.border{ border-color:rgb(164, 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(164, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(164, 245,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 80.4173, 0.2608, 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(164, 245, 255) }
```

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

```
.background{ background-color: rgb(164,  
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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