

Converting Colors

$Yxy(80.4198, 0.2579, 0.3232)$

Have a look what the booklet for
Yxy(80.4198, 0.2579, 0.3232)
contains.

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Color

Yxy(80.4198, 0.2579, 0.3232)

Conversions

Conversions Part 1

Format	Color
Hex	9AF7FC
RGB	154, 247, 252
RGB Percent	60%, 97%, 99%
CMY	0.3957, 0.0314, 0.0118
CMYK	0.39, 0.02, 0.00, 0.01
HSL	183°, 94%, 80%
HSV	183°, 39%, 99%
XYZ	64.1716, 80.4198, 104.2322
YIQ	219.7630, -57.0330, -18.1610

Conversions

Conversions Part 2

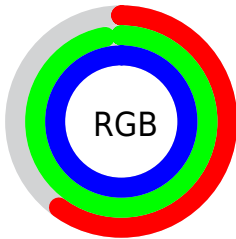
Format	Color
RYB	154, 202, 252
Decimal	10156028
CIELab	91.87, -26.33, -11.12
CIELCh	92, 28.586, 202.900
Yxy	80.4198, 0.2579, 0.3232
Android (android.graphics.Color)	4288346108 (0xFF9AF7FC)
YUV	219.7630, 15.8928, -57.6742
Hunter-Lab	89.6771, -29.2029, -6.1392

Details

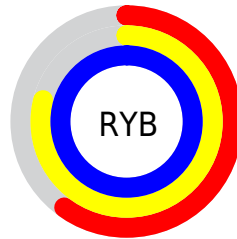
The Yxy color **80.4198, 0.2579, 0.3232** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.8672, 0.4083, 0.3346**, and the grayscale version is **71.3307, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7370, 0.2872, 0.3289**, and **43.2538, 0.2459, 0.3214** is the 20% darker color. If you saturate the color by 10%, you get **77.4165, 0.2470, 0.3215**, and if you desaturate by 10%, it is **83.9540, 0.2704, 0.3248**.

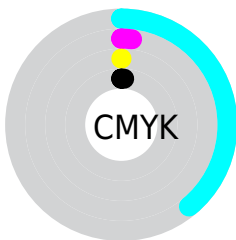
Distribution



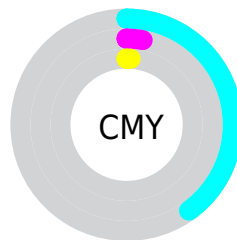
- Red (60%)
- Green (97%)
- Blue (99%)



- Red (60%)
- Yellow (79%)
- Blue (99%)



- Cyan (39%)
- Magenta (2%)
- Yellow (0%)
- Black (1%)



- Cyan (40%)
- Magenta (3%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.4198, 0.2579, 0.3232 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 80.4198, 0.2579, 0.3232 by changing the saturation by 10% instead.


 80.4198, 0.2579,
0.3232

 80.4198, 0.2579,
0.3232


496.3465, 0.2824,
0.3264

 60.0639, 0.2525,
0.3224


 133.9558, 0.2662,
0.3244

 43.4701, 0.2460,
0.3213


 167.9046, 0.2695,
0.3248

 30.2541, 0.2379,
0.3199


207.1532, 0.2723,
0.3252

 20.0316, 0.2277,
0.3179

252.0860, 0.2748,
0.3255

 12.4180, 0.2142,
0.3149

303.0873, 0.2770,
0.3258

 7.0290, 0.1959,
0.3104

360.5416, 0.2790,

 3.4803, 0.1696,

0.3260

424.8331, 0.2808,
0.3262

0.3025

1.3873, 0.1260,
0.2881

0.2073, 0.0000,
0.1712

80.4198, 0.2579,
0.3232

80.4198, 0.2579,
0.3232

77.4165, 0.2470,
0.3215

83.9540, 0.2704,
0.3248

74.9018, 0.2379,
0.3198

88.0395, 0.2842,
0.3264

72.8425, 0.2307,
0.3180

92.7071, 0.2990,
0.3278

71.1969, 0.2255,
0.3163

97.9826, 0.3145,
0.3291

69.9159, 0.2221,
0.3145

98.8139, 0.3145,
0.3304

68.9276, 0.2204,
0.3129

99.6327, 0.3145,
0.3316

68.8216, 0.2202,
0.3127

99.8081, 0.3144,
0.3319

Harmonies

Analogous

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



80.4198, 0.2796, 0.3553



80.4198, 0.2579, 0.3232



80.4198, 0.2504, 0.2951

Triad

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



80.4198, 0.2579, 0.3232



80.4198, 0.3119, 0.2843



80.4198, 0.3690, 0.3795

Complementary

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



80.4198, 0.2579, 0.3232



47.8672, 0.4083, 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.



80.4198, 0.3792, 0.3577



80.4198, 0.2579, 0.3232



80.4198, 0.3453, 0.3042

Square

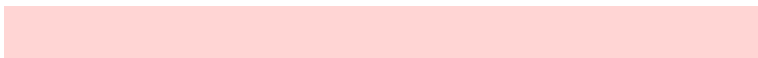
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.4198, 0.2579, 0.3232



80.4198, 0.2803, 0.2747



80.4198, 0.3705, 0.3304



80.4198, 0.3436, 0.3887

Rectangle

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



80.4198, 0.2579, 0.3232



80.4198, 0.2540, 0.2823



80.4198, 0.3705, 0.3304



80.4198, 0.3744, 0.3733

Sweetspot

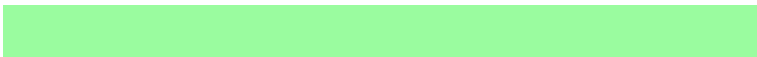
The Sweet Spot groups the original color and five complimentary colors.



80.4230, 0.2579, 0.3232



93.6564, 0.2942, 0.3274



79.0027, 0.3047, 0.4423



19.9102, 0.2923, 0.3272



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.



80.4230, 0.2579, 0.3232



80.0529, 0.2488, 0.3218



54.3684, 0.2490, 0.2647



19.4474, 0.2980, 0.3277



35.9192, 0.2203, 0.3130



3.3721, 0.2208, 0.3150

Inverse Universe

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



50.5557, 0.3213, 0.2371



45.4611, 0.3233, 0.2194



68.1170, 0.3876, 0.3853



17.5083, 0.3146, 0.3068



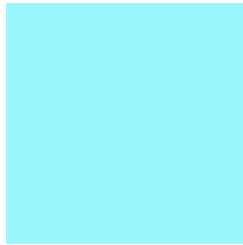
14.0370, 0.3342, 0.1615



1.3046, 0.3324, 0.1605

Previews

White Background



This preview shows how the Yxy color 80.4198, 0.2579, 0.3232 looks on a white background.

Color Contrast Check

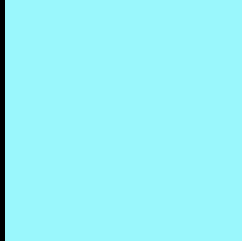
Large Text (above 18pt) WCAG AA × Fail

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 80.4198, 0.2579, 0.3232 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 80.4198, 0.2579, 0.3232

Background



This preview shows how black text looks on a background with the Yxy color 80.4198, 0.2579, 0.3232.

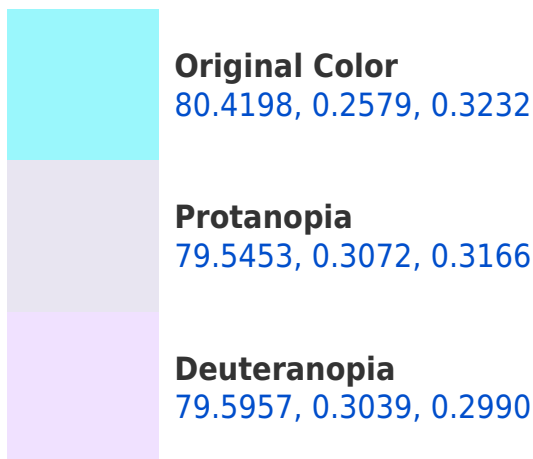


This preview shows how white text looks on a background with the Yxy color 80.4198, 0.2579, 0.3232.

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

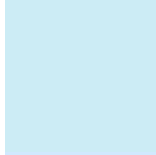
80.1979, 0.2700, 0.3137

Trichromacy



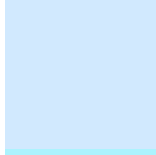
Original Color

80.4198, 0.2579, 0.3232



Protanomaly

79.4208, 0.2869, 0.3193



Deuteranomaly

78.9889, 0.2848, 0.3068



Tritanomaly

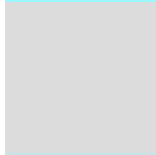
80.0276, 0.2650, 0.3167

Monochromacy



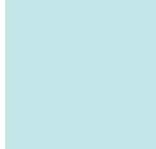
Original Color

80.4198, 0.2579, 0.3232



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

74.1556, 0.2891, 0.3267

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.4198, 0.2579, 0.3232 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(154, 247, 252)` looks like.

```
.text, #text, p{  
    color:rgb(154, 247, 252)  
}
```

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(154, 247, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 247, 252) }
```

Border

The CSS property to change the border of an element to Yxy 80.4198, 0.2579, 0.3232 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(154, 247, 252) }
```

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

```
.border{ border-color:rgb(154, 247, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 247, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 247, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 247, 252);  
box-shadow:4px 4px 4px 4px rgb(154, 247,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 80.4198, 0.2579, 0.3232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 247, 252) }
```

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

```
.background{ background-color: rgb(154,  
247, 252) }
```

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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