

Converting Colors

Yxy(80.8887, 0.2500, 0.2991)

Have a look what the booklet for
Yxy(80.8887, 0.2500, 0.2991)
contains.

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Color

Yxy(79.7939, 0.2580, 0.3177)

Conversions

Conversions Part 1

Format	Color
Hex	9EF5FF
RGB	158, 245, 255
RGB Percent	62%, 96%, 100%
CMY	0.3804, 0.0392, 0.0001
CMYK	0.38, 0.04, 0.00, 0.00
HSL	186°, 100%, 81%
HSV	186°, 38%, 100%
XYZ	64.7996, 79.7939, 106.5677
YIQ	220.1270, -55.0620, -15.3340

Conversions

Conversions Part 2

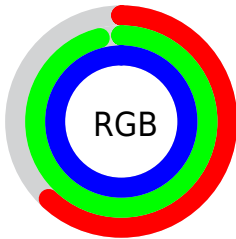
Format	Color
R_{YB}	158, 204, 255
Decimal	10417663
CIE _{Lab}	91.59, -23.70, -13.07
CIE _{LCh}	92, 27.062, 208.875
Yxy	79.7939, 0.2580, 0.3177
Android (android.graphics.Color)	4288607743 (0xFF9EF5FF)
YUV	220.1270, 17.1924, -54.4854
Hunter-Lab	89.3274, -26.8362, -8.2038

Details

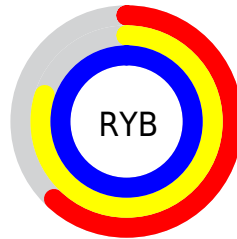
The Yxy color **79.7939, 0.2580, 0.3177** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **51.7183, 0.4034, 0.3398**, and the grayscale version is **71.5719, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.3389, 0.2894, 0.3289**, and **43.2391, 0.2464, 0.3156** is the 20% darker color. If you saturate the color by 10%, you get **75.8998, 0.2464, 0.3143**, and if you desaturate by 10%, it is **84.2531, 0.2710, 0.3210**.

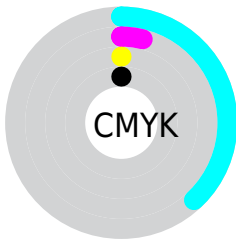
Distribution



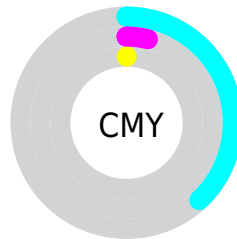
- Red (62%)
- Green (96%)
- Blue (100%)



- Red (62%)
- Yellow (80%)
- Blue (100%)



- Cyan (38%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)





- Cyan (38%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.7939, 0.2580, 0.3177 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 79.7939, 0.2580, 0.3177 by changing the saturation by 10% instead.


 79.7939, 0.2580,
0.3177


 79.7939, 0.2580,
0.3177


494.2380, 0.2824,
0.3234

 59.5488, 0.2526,
0.3163


 133.0759, 0.2663,
0.3197

 43.0550, 0.2461,
0.3145


 166.8816, 0.2696,
0.3205

 29.9283, 0.2381,
0.3123


205.9763, 0.2724,
0.3212

 19.7842, 0.2278,
0.3092

250.7443, 0.2749,
0.3217

 12.2383, 0.2144,
0.3048

301.5701, 0.2771,
0.3222

 6.9062, 0.1961,
0.2982


358.8380, 0.2791,


 3.4035, 0.1699,


0.3227


0.2873


422.9325, 0.2808,
0.3230


 1.3458, 0.1277,
0.2680


 0.1763, 0.0000,
0.1368


 79.7939, 0.2580,
0.3177


 79.7939, 0.2580,
0.3177


 75.8998, 0.2464,
0.3143


 84.2531, 0.2710,
0.3210

 72.5278, 0.2365,
0.3107

 89.2985, 0.2852,
0.3240

 69.6439, 0.2285,
0.3071

 94.9617, 0.3003,
0.3269

 67.2056, 0.2224,
0.3035

99.9981, 0.3127,
0.3290

■ 65.1629, 0.2183,
0.2999

■ 63.4481, 0.2159,
0.2964

■ 63.1297, 0.2155,
0.2957

Harmonies

Analogous

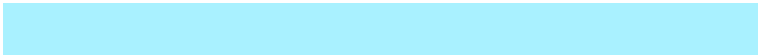
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.7939, 0.2762, 0.3481



79.7939, 0.2580, 0.3177



79.7939, 0.2538, 0.2927

Triad

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



79.7939, 0.2580, 0.3177



79.7939, 0.3185, 0.2895



79.7939, 0.3623, 0.3799

Complementary

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



79.7939, 0.2580, 0.3177



51.7183, 0.4034, 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.



79.7939, 0.3753, 0.3612



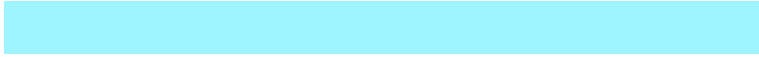
79.7939, 0.2580, 0.3177



79.7939, 0.3494, 0.3101

Square

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



79.7939, 0.2580, 0.3177



79.7939, 0.2874, 0.2782



79.7939, 0.3706, 0.3358



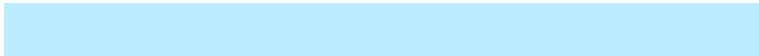
79.7939, 0.3362, 0.3854

Rectangle

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



79.7939, 0.2580, 0.3177



79.7939, 0.2591, 0.2821



79.7939, 0.3706, 0.3358



79.7939, 0.3684, 0.3748

Sweetspot

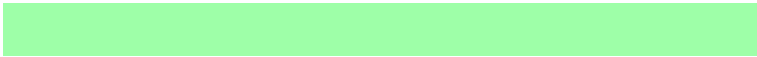
The Sweet Spot groups the original color and five complimentary colors.



79.7970, 0.2580, 0.3177



93.2375, 0.2957, 0.3261



81.5872, 0.3024, 0.4337



19.7898, 0.2937, 0.3257



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

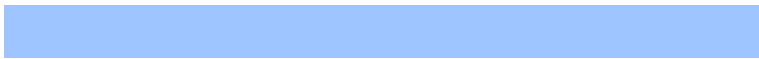
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.7970, 0.2580, 0.3177



76.6670, 0.2486, 0.3150



54.3268, 0.2495, 0.2603



20.1436, 0.2980, 0.3265



33.1248, 0.2157, 0.2963



3.3133, 0.2168, 0.3004

Inverse Universe

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



52.3041, 0.3252, 0.2432



45.8188, 0.3284, 0.2264



72.9302, 0.3839, 0.3888



18.2663, 0.3154, 0.3079



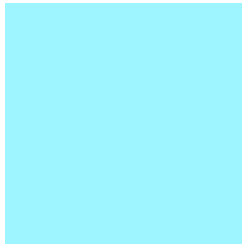
14.0719, 0.3487, 0.1694



1.3790, 0.3451, 0.1675

Previews

White Background



This preview shows how the Yxy color 79.7939, 0.2580, 0.3177 looks on a white background.

Color Contrast Check

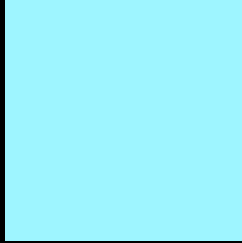
Large Text (above 18pt) WCAG AA × Fail

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 79.7939, 0.2580, 0.3177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

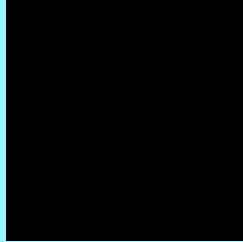
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.7939, 0.2580, 0.3177

Background



This preview shows how black text looks on a background with the Yxy color 79.7939, 0.2580, 0.3177.

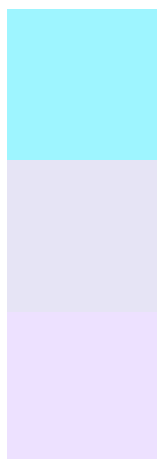


This preview shows how white text looks on a background with the Yxy color 79.7939, 0.2580, 0.3177.

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

79.7939, 0.2580, 0.3177

Protanopia

78.9024, 0.3034, 0.3115

Deuteranopia

79.0750, 0.3019, 0.2988



Tritanopia

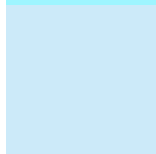
79.4853, 0.2693, 0.3125

Trichromacy



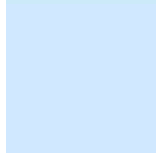
Original Color

79.7939, 0.2580, 0.3177



Protanomaly

78.5226, 0.2846, 0.3129



Deuteranomaly

78.3431, 0.2836, 0.3047



Tritanomaly

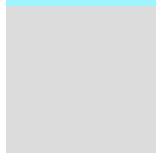
79.6085, 0.2649, 0.3146

Monochromacy



Original Color

79.7939, 0.2580, 0.3177



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

73.7921, 0.2891, 0.3245

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.7939, 0.2580, 0.3177 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(158, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(158, 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(158, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 245, 255) }
```

Border

The CSS property to change the border of an element to Yxy 79.7939, 0.2580, 0.3177 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(158, 245, 255) }
```

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

```
.border{ border-color:rgb(158, 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(158, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(158, 245,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 79.7939, 0.2580, 0.3177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 245, 255) }
```

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

```
.background{ background-color: rgb(158,  
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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