

Converting Colors

$Yxy(80.7515, 0.2486, 0.3233)$

Have a look what the booklet for
Yxy(80.7515, 0.2486, 0.3233)
contains.

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Color

Yxy(80.6595, 0.2486, 0.3231)

Conversions

Conversions Part 1

Format	Color
Hex	86FAFF
RGB	134, 250, 255
RGB Percent	53%, 98%, 100%
CMY	0.4748, 0.0196, 0.0000
CMYK	0.47, 0.02, 0.00, 0.00
HSL	182°, 100%, 76%
HSV	182°, 47%, 100%
XYZ	62.0611, 80.6595, 106.9219
YIQ	215.8860, -70.7410, -23.0370

Conversions

Conversions Part 2

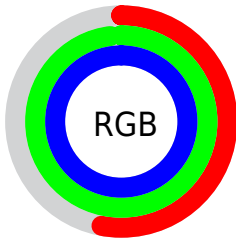
Format	Color
RYB	134, 193, 255
Decimal	8846079
CIELab	91.98, -31.66, -12.62
CIElCh	92, 34.079, 201.734
Yxy	80.6595, 0.2486, 0.3231
Android (android.graphics.Color)	4287036159 (0xFF86FAFF)
YUV	215.8860, 19.2832, -71.8140
Hunter-Lab	89.8106, -33.8212, -7.7188

Details

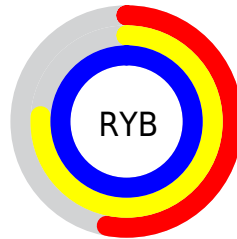
The Yxy color **80.6595, 0.2486, 0.3231** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **41.4222, 0.4422, 0.3345**, and the grayscale version is **68.4802, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2093, 0.2773, 0.3289**, and **43.5567, 0.2350, 0.3213** is the 20% darker color. If you saturate the color by 10%, you get **78.1625, 0.2394, 0.3217**, and if you desaturate by 10%, it is **83.6686, 0.2597, 0.3245**.

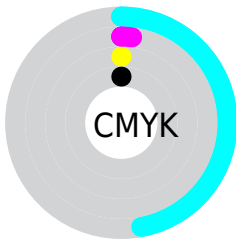
Distribution



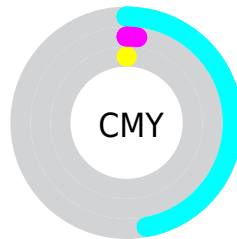
- Red (53%)
- Green (98%)
- Blue (100%)



- Red (53%)
- Yellow (76%)
- Blue (100%)



- Cyan (47%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)





- Cyan (47%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.6595, 0.2486, 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 80.6595, 0.2486, 0.3231 by changing the saturation by 10% instead.


 80.6595, 0.2486,
0.3231


 80.6595, 0.2486,
0.3231


497.1526, 0.2771,
0.3265

 60.2612, 0.2424,
0.3222


 134.2926, 0.2582,
0.3244

 43.6292, 0.2349,
0.3210


 168.2961, 0.2621,
0.3249

 30.3791, 0.2256,
0.3193


207.6035, 0.2654,
0.3253

 20.1265, 0.2138,
0.3170

252.5992, 0.2683,
0.3256

 12.4870, 0.1986,
0.3136

303.6676, 0.2709,
0.3259

 7.0763, 0.1780,
0.3082

361.1930, 0.2732,

 3.5099, 0.1491,

0.3261

0.2988

425.5599, 0.2752,
0.3263

■ 1.4034, 0.0984,
0.2830

■ 0.2192, 0.0000,
0.1625

■ 80.6595, 0.2486,
0.3231

■ 80.6595, 0.2486,
0.3231

■ 78.1625, 0.2394,
0.3217

■ 83.6686, 0.2597,
0.3245

■ 76.1355, 0.2320,
0.3203

■ 87.2178, 0.2723,
0.3258

■ 74.5382, 0.2267,
0.3189

■ 91.3394, 0.2862,
0.3270

■ 73.3212, 0.2232,
0.3175

■ 96.0614, 0.3011,
0.3282

■ 72.4199, 0.2214,
0.3162

100.0000, 0.3127,
0.3290

■ 72.2183, 0.2211,
0.3158

Harmonies

Analogous

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



80.6595, 0.2745, 0.3619



80.6595, 0.2486, 0.3231



80.6595, 0.2393, 0.2894

Triad

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



80.6595, 0.2486, 0.3231



80.6595, 0.3099, 0.2757



80.6595, 0.3804, 0.3878

Complementary

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



80.6595, 0.2486, 0.3231



41.4222, 0.4422, 0.3345

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.



80.6595, 0.3921, 0.3611



80.6595, 0.2486, 0.3231



80.6595, 0.3500, 0.2986

Square

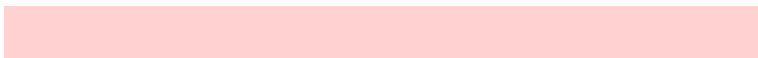
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.6595, 0.2486, 0.3231



80.6595, 0.2729, 0.2650



80.6595, 0.3809, 0.3289



80.6595, 0.3504, 0.4004

Rectangle

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



80.6595, 0.2486, 0.3231



80.6595, 0.2430, 0.2742



80.6595, 0.3809, 0.3289



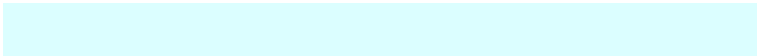
80.6595, 0.3866, 0.3800

Sweetspot

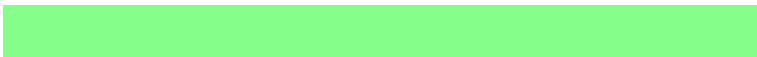
The Sweet Spot groups the original color and five complimentary colors.



80.6613, 0.2486, 0.3231



92.9117, 0.2913, 0.3274



78.4170, 0.3038, 0.4749



19.6762, 0.2881, 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.



80.6613, 0.2486, 0.3231



78.2707, 0.2398, 0.3218



49.2970, 0.2350, 0.2498



20.3455, 0.2980, 0.3280



37.7922, 0.2211, 0.3161



3.7180, 0.2216, 0.3176

Inverse Universe

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



45.1948, 0.3224, 0.2174



39.1767, 0.3245, 0.1990



63.5977, 0.4095, 0.3956



18.2867, 0.3144, 0.3065



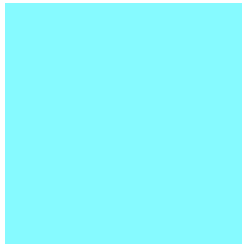
14.5431, 0.3315, 0.1600



1.4199, 0.3302, 0.1593

Previews

White Background



This preview shows how the Yxy color 80.6595, 0.2486, 0.3231 looks on a white background.

Color Contrast Check

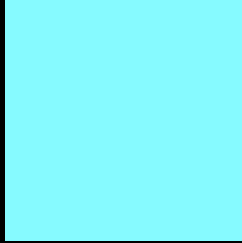
Large Text (above 18pt) WCAG AA × Fail

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 80.6595, 0.2486, 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 80.6595, 0.2486, 0.3231

Background



This preview shows how black text looks on a background with the Yxy color 80.6595, 0.2486, 0.3231.

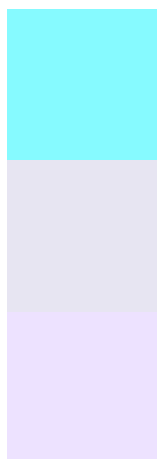


This preview shows how white text looks on a background with the Yxy color 80.6595, 0.2486, 0.3231.

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

80.6595, 0.2486, 0.3231

Protanopia

79.4384, 0.3059, 0.3156

Deuteranopia

79.6172, 0.3019, 0.2998



Tritanopia

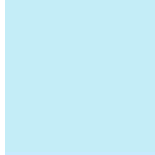
80.3080, 0.2680, 0.3147

Trichromacy



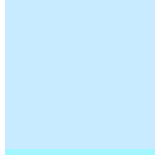
Original Color

80.6595, 0.2486, 0.3231



Protanomaly

79.0195, 0.2811, 0.3181



Deuteranomaly

78.9160, 0.2790, 0.3076



Tritanomaly

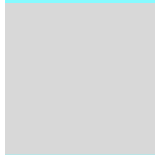
80.3113, 0.2604, 0.3177

Monochromacy



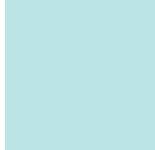
Original Color

80.6595, 0.2486, 0.3231



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

71.6391, 0.2839, 0.3266

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.6595, 0.2486, 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(134, 250, 255)` looks like.

```
.text, #text, p{  
    color:rgb(134, 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(134, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 250, 255) }
```

Border

The CSS property to change the border of an element to Yxy 80.6595, 0.2486, 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(134, 250, 255) }
```

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

```
.border{ border-color:rgb(134, 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(134, 250, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 250, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 250, 255);  
box-shadow:4px 4px 4px 4px rgb(134, 250,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 80.6595, 0.2486, 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(134, 250, 255) }
```

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

```
.background{ background-color: rgb(134,  
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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