

Converting Colors

$Yxy(87.7775, 0.2801, 0.3235)$

Have a look what the booklet for
Yxy(87.7775, 0.2801, 0.3235)
contains.

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Color

Yxy(87.8706, 0.2801, 0.3237)

Conversions

Conversions Part 1

Format	Color
Hex	C8FAFF
RGB	200, 250, 255
RGB Percent	78%, 98%, 100%
CMY	0.2160, 0.0195, 0.0000
CMYK	0.22, 0.02, 0.00, 0.00
HSL	185°, 100%, 89%
HSV	185°, 22%, 100%
XYZ	76.0351, 87.8706, 107.5512
YIQ	235.6200, -31.4050, -9.0450

Conversions

Conversions Part 2

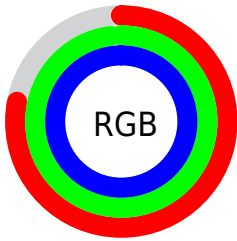
Format	Color
R_{YB}	200, 226, 255
Decimal	13171455
CIE Lab	95.11, -14.75, -7.62
CIE LCh	95, 16.604, 207.311
Yxy	87.8706, 0.2801, 0.3237
Android (android.graphics.Color)	4291361535 (0xFFC8FAFF)
YUV	235.6200, 9.5543, -31.2387
Hunter-Lab	93.7393, -19.2565, -2.4085

Details

The Yxy color **87.8706, 0.2801, 0.3237** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.0259, 0.3557, 0.3342**, and the grayscale version is **83.5081, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.2369, 0.2734, 0.3221** is the 20% darker color. If you saturate the color by 10%, you get **83.2336, 0.2664, 0.3209**, and if you desaturate by 10%, it is **93.1175, 0.2948, 0.3263**.

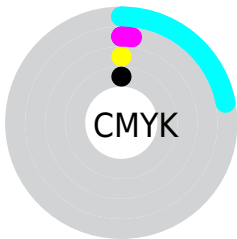
Distribution



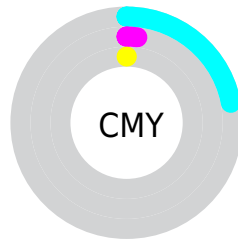
- Red (78%)
- Green (98%)
- Blue (100%)



- Red (78%)
- Yellow (89%)
- Blue (100%)



- Cyan (22%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.8706, 0.2801, 0.3237 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 87.8706, 0.2801, 0.3237 by changing the saturation by 10% instead.

87.8706, 0.2801,
0.3237

87.8706, 0.2801,
0.3237

521.0794, 0.2945,
0.3263

66.2159, 0.2769,
0.3231

144.3770, 0.2850,
0.3246

48.4477, 0.2731,
0.3223

179.9975, 0.2869,
0.3250

34.1816, 0.2684,
0.3214

221.0420, 0.2886,
0.3253

23.0331, 0.2624,
0.3201

267.8950, 0.2901,
0.3255

14.6180, 0.2545,
0.3183

320.9409, 0.2914,
0.3257

8.5517, 0.2437,
0.3156

380.5639, 0.2926,

4.4500, 0.2280,

0.3259

0.3114

447.1486, 0.2936,
0.3261

■ 1.9283, 0.2035,
0.3038

■ 0.5653, 0.0931,
0.2971

■ 87.8706, 0.2801,
0.3237

■ 87.8706, 0.2801,
0.3237

■ 83.2336, 0.2664,
0.3209

■ 93.1175, 0.2948,
0.3263

■ 79.1668, 0.2539,
0.3180

■ 98.9907, 0.3102,
0.3286

■ 75.6421, 0.2431,
0.3150

■ 99.9994, 0.3127,
0.3290

■ 72.6248, 0.2340,
0.3119

■ 70.0761, 0.2268,
0.3087

■ 67.9512, 0.2216,
0.3056

■ 66.1965, 0.2183,
0.3025

■ 64.9399, 0.2167,
0.2999

Harmonies

Analogous

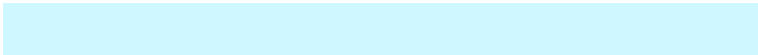
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.8706, 0.2918, 0.3412



87.8706, 0.2801, 0.3237



87.8706, 0.2769, 0.3084

Triad

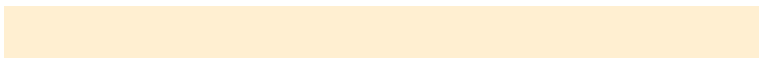
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.8706, 0.2801, 0.3237



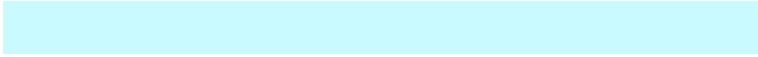
87.8706, 0.3154, 0.3044



87.8706, 0.3430, 0.3591

Complementary

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



87.8706, 0.2801, 0.3237



69.0259, 0.3557, 0.3342

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.



87.8706, 0.3498, 0.3481



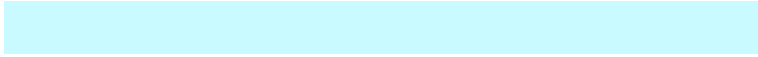
87.8706, 0.2801, 0.3237



87.8706, 0.3337, 0.3170

Square

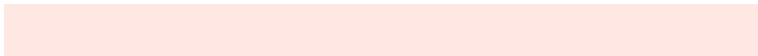
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.8706, 0.2801, 0.3237



87.8706, 0.2969, 0.2979



87.8706, 0.3464, 0.3328



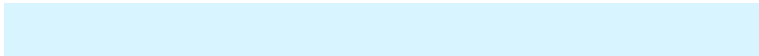
87.8706, 0.3280, 0.3621

Rectangle

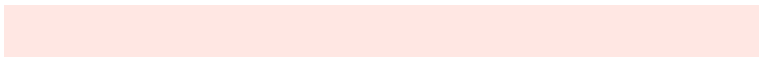
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.8706, 0.2801, 0.3237



87.8706, 0.2800, 0.3014



87.8706, 0.3464, 0.3328



87.8706, 0.3463, 0.3562

Sweetspot

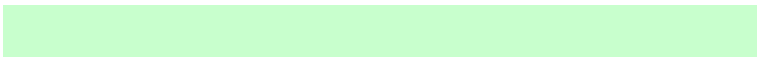
The Sweet Spot groups the original color and five complimentary colors.



87.8742, 0.2801, 0.3237



96.3363, 0.3034, 0.3276



88.1643, 0.3073, 0.3843



20.5376, 0.3024, 0.3275



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

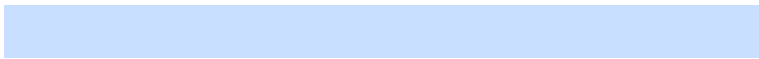
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.8742, 0.2801, 0.3237



85.7678, 0.2739, 0.3225



72.1868, 0.2780, 0.2943



20.1850, 0.2980, 0.3268



34.0511, 0.2168, 0.3004



3.3940, 0.2178, 0.3040

Inverse Universe

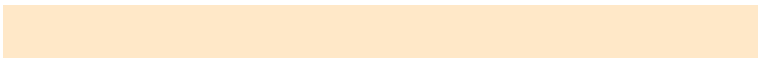
The Inverse Universe completely reimagines the original color for something new.



69.4287, 0.3187, 0.2797



64.3674, 0.3201, 0.2695



83.1597, 0.3500, 0.3614



18.2705, 0.3152, 0.3077



14.1654, 0.3450, 0.1674



1.3872, 0.3419, 0.1657

Previews

White Background



This preview shows how the Yxy color 87.8706, 0.2801, 0.3237 looks on a white background.

Color Contrast Check

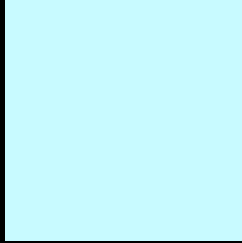
Large Text (above 18pt) WCAG AA × Fail

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 87.8706, 0.2801, 0.3237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

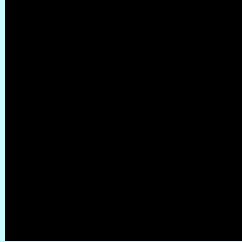
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.8706, 0.2801, 0.3237

Background



This preview shows how black text looks on a background with the Yxy color 87.8706, 0.2801, 0.3237.

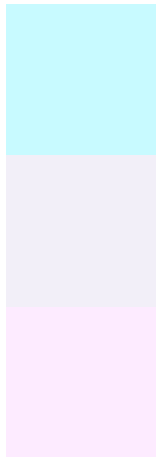


This preview shows how white text looks on a background with the Yxy color 87.8706, 0.2801, 0.3237.

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

87.8706, 0.2801, 0.3237

Protanopia

87.3876, 0.3092, 0.3201

Deuteranopia

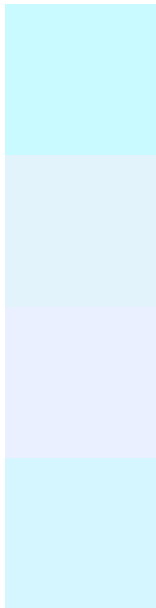
87.5193, 0.3123, 0.3097



Tritanopia

87.4510, 0.2926, 0.3178

Trichromacy



Original Color

87.8706, 0.2801, 0.3237

Protanomaly

87.3971, 0.2979, 0.3208

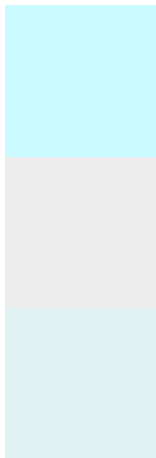
Deuteranomaly

87.0326, 0.2999, 0.3140

Tritanomaly

87.4277, 0.2879, 0.3197

Monochromacy



Original Color

87.8706, 0.2801, 0.3237

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

85.0696, 0.3000, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.8706, 0.2801, 0.3237 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(200, 250, 255)` looks like.

```
.text, #text, p{  
    color:rgb(200, 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(200, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 250, 255) }
```

Border

The CSS property to change the border of an element to Yxy 87.8706, 0.2801, 0.3237 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(200, 250, 255) }
```

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

```
.border{ border-color:rgb(200, 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(200, 250, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 250, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 250, 255);  
box-shadow:4px 4px 4px 4px rgb(200, 250,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 87.8706, 0.2801, 0.3237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 250, 255) }
```

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

```
.background{ background-color: rgb(200,  
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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