

Converting Colors

$Y_{xy}(92.0783, 0.2475, 0.2550)$

Have a look what the booklet for
Yxy(92.0783, 0.2475, 0.2550)
contains.

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Color

Yxy(86.7723, 0.2806, 0.3216)

Conversions

Conversions Part 1

Format	Color
Hex	C9F8FF
RGB	201, 248, 255
RGB Percent	79%, 97%, 100%
CMY	0.2116, 0.0275, 0.0002
CMYK	0.21, 0.03, 0.00, 0.00
HSL	188°, 100%, 89%
HSV	188°, 21%, 100%
XYZ	75.7099, 86.7723, 107.3322
YIQ	234.7450, -30.2590, -7.7870

Conversions

Conversions Part 2

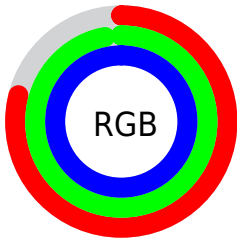
Format	Color
R_{YB}	201, 226, 255
Decimal	13236479
CIE _{Lab}	94.64, -13.41, -8.28
CIE _{LCh}	95, 15.765, 211.703
Yxy	86.7723, 0.2806, 0.3216
Android (android.graphics.Color)	4291426559 (0xFFC9F8FF)
YUV	234.7450, 9.9857, -29.5944
Hunter-Lab	93.1517, -17.9378, -3.1096

Details

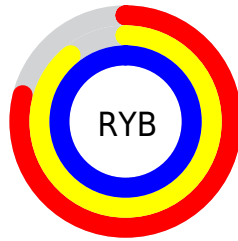
The Yxy color **86.7723, 0.2806, 0.3216** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.5930, 0.3541, 0.3363**, and the grayscale version is **82.8215, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.8875, 0.2739, 0.3208** is the 20% darker color. If you saturate the color by 10%, you get **81.5220, 0.2666, 0.3177**, and if you desaturate by 10%, it is **92.6519, 0.2955, 0.3253**.

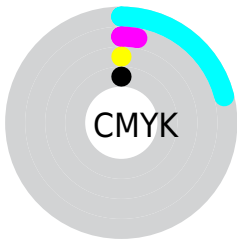
Distribution



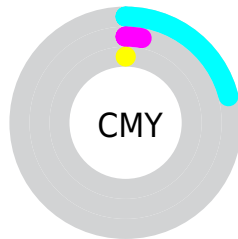
- Red (79%)
- Green (97%)
- Blue (100%)



- Red (79%)
- Yellow (89%)
- Blue (100%)



- Cyan (21%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (21%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.7723, 0.2806, 0.3216 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 86.7723, 0.2806, 0.3216 by changing the saturation by 10% instead.

86.7723, 0.2806,
0.3216

86.7723, 0.2806,
0.3216

517.4744, 0.2949,
0.3251

65.3068, 0.2775,
0.3208

142.8467, 0.2854,
0.3228

47.7099, 0.2737,
0.3198

178.2244, 0.2873,
0.3233

33.5972, 0.2690,
0.3185

219.0083, 0.2890,
0.3237

22.5843, 0.2630,
0.3168

265.5828, 0.2905,
0.3241

14.2869, 0.2552,
0.3144

318.3322, 0.2917,
0.3244

8.3205, 0.2444,
0.3111

377.6410, 0.2929,

4.3007, 0.2288,

0.3246

0.3057

443.8936, 0.2939,
0.3249

1.8431, 0.2042,
0.2963

0.5139, 0.0882,
0.2817

86.7723, 0.2806,
0.3216

86.7723, 0.2806,
0.3216

81.5220, 0.2666,
0.3177

92.6519, 0.2955,
0.3253

76.8611, 0.2537,
0.3135

99.1771, 0.3109,
0.3286

72.7618, 0.2423,
0.3091

99.9975, 0.3127,
0.3290

69.1893, 0.2326,
0.3045

■ 66.1049, 0.2249,
0.2999

■ 63.4642, 0.2191,
0.2953

■ 61.2137, 0.2152,
0.2908

■ 59.4731, 0.2130,
0.2868

Harmonies

Analogous

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



86.7723, 0.2907, 0.3383



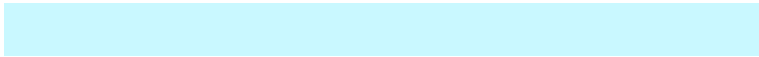
86.7723, 0.2806, 0.3216



86.7723, 0.2789, 0.3076

Triad

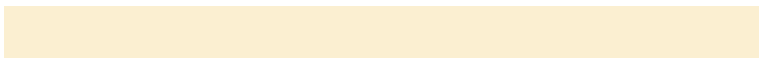
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.7723, 0.2806, 0.3216



86.7723, 0.3180, 0.3070



86.7723, 0.3399, 0.3586

Complementary

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



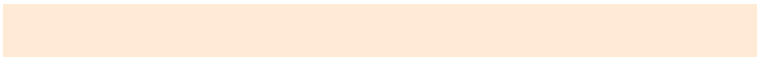
86.7723, 0.2806, 0.3216



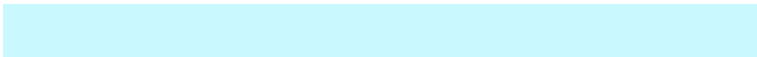
70.5930, 0.3541, 0.3363

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.



86.7723, 0.3477, 0.3492



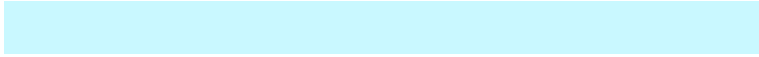
86.7723, 0.2806, 0.3216



86.7723, 0.3349, 0.3196

Square

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



86.7723, 0.2806, 0.3216



86.7723, 0.3000, 0.2998



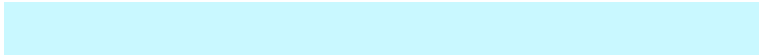
86.7723, 0.3459, 0.3349



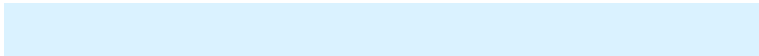
86.7723, 0.3248, 0.3601

Rectangle

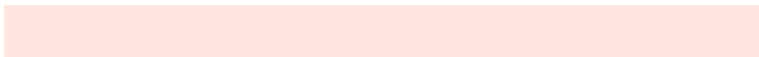
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



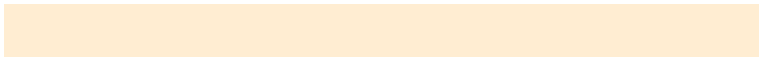
86.7723, 0.2806, 0.3216



86.7723, 0.2826, 0.3016



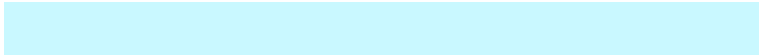
86.7723, 0.3459, 0.3349



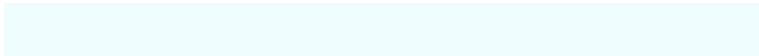
86.7723, 0.3435, 0.3562

Sweetspot

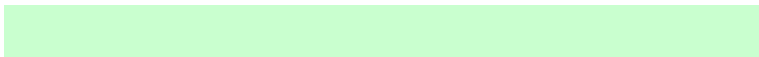
The Sweet Spot groups the original color and five complimentary colors.



86.7758, 0.2806, 0.3216



95.9582, 0.3034, 0.3270



88.4423, 0.3065, 0.3809



20.4479, 0.3024, 0.3268



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.



86.7758, 0.2806, 0.3216



84.7064, 0.2751, 0.3201



71.7359, 0.2786, 0.2931



20.0574, 0.2980, 0.3258



31.2431, 0.2132, 0.2875



3.1488, 0.2147, 0.2927

Inverse Universe

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



69.8285, 0.3201, 0.2827



65.3316, 0.3217, 0.2741



84.4872, 0.3487, 0.3625



18.2576, 0.3158, 0.3086



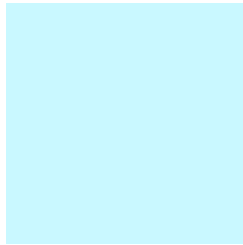
13.8820, 0.3566, 0.1738



1.3624, 0.3519, 0.1712

Previews

White Background



This preview shows how the Yxy color 86.7723, 0.2806, 0.3216 looks on a white background.

Color Contrast Check

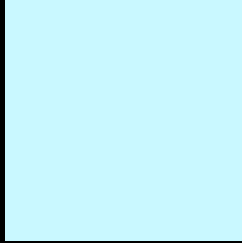
Large Text (above 18pt) WCAG AA × Fail

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 86.7723, 0.2806, 0.3216 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 86.7723, 0.2806, 0.3216

Background



This preview shows how black text looks on a background with the Yxy color 86.7723, 0.2806, 0.3216.

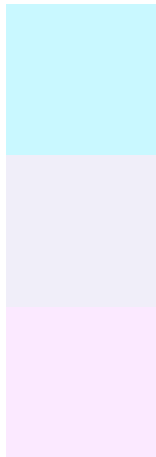


This preview shows how white text looks on a background with the Yxy color 86.7723, 0.2806, 0.3216.

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

86.7723, 0.2806, 0.3216

Protanopia

86.5139, 0.3073, 0.3180

Deuteranopia

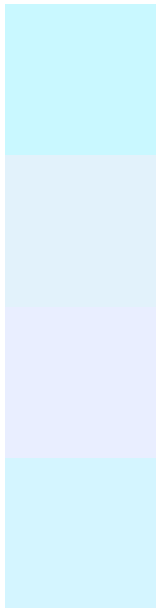
86.0071, 0.3111, 0.3076



Tritanopia

86.3813, 0.2907, 0.3167

Trichromacy



Original Color

86.7723, 0.2806, 0.3216

Protanomaly

86.6380, 0.2973, 0.3198

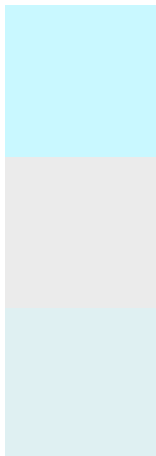
Deuteranomaly

85.6927, 0.2993, 0.3119

Tritanomaly

86.5219, 0.2867, 0.3186

Monochromacy



Original Color

86.7723, 0.2806, 0.3216

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

84.4190, 0.3006, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.7723, 0.2806, 0.3216 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(201, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(201, 248, 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(201, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 248, 255) }
```

Border

The CSS property to change the border of an element to Yxy 86.7723, 0.2806, 0.3216 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(201, 248, 255) }
```

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

```
.border{ border-color:rgb(201, 248, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(201, 248,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 86.7723, 0.2806, 0.3216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 248, 255) }
```

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

```
.background{ background-color: rgb(201,  
248, 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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