

Converting Colors

$Y_{xy}(88.3625, 0.2730, 0.3016)$

Have a look what the booklet for
Yxy(88.3625, 0.2730, 0.3016)
contains.

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Color

Yxy(86.7207, 0.2827, 0.3206)

Conversions

Conversions Part 1

Format	Color
Hex	CDF7FF
RGB	205, 247, 255
RGB Percent	80%, 97%, 100%
CMY	0.1964, 0.0313, 0.0000
CMYK	0.20, 0.03, 0.00, 0.00
HSL	190°, 100%, 90%
HSV	190°, 20%, 100%
XYZ	76.4689, 86.7207, 107.3054
YIQ	235.3540, -27.6000, -6.4160

Conversions

Conversions Part 2

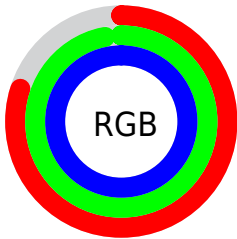
Format	Color
R _Y B	205, 228, 255
Decimal	13498367
CIE _{Lab}	94.62, -11.77, -8.31
CIE _{LCh}	95, 14.409, 215.201
Y _{xy}	86.7207, 0.2827, 0.3206
Android (android.graphics.Color)	4291688447 (0xFFCDF7FF)
YUV	235.3540, 9.6855, -26.6205
Hunter-Lab	93.1239, -16.3912, -3.1322

Details

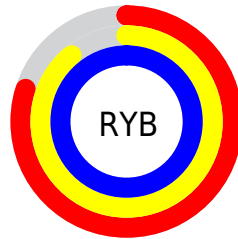
The Yxy color **86.7207, 0.2827, 0.3206** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.1913, 0.3502, 0.3372**, and the grayscale version is **83.2932, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.8229, 0.2766, 0.3195** is the 20% darker color. If you saturate the color by 10%, you get **80.9366, 0.2683, 0.3158**, and if you desaturate by 10%, it is **93.1567, 0.2978, 0.3251**.

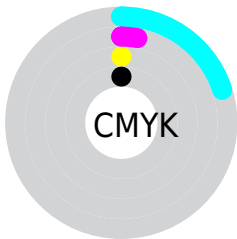
Distribution



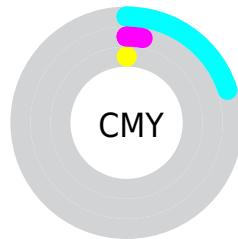
- Red (80%)
- Green (97%)
- Blue (100%)



- Red (80%)
- Yellow (89%)
- Blue (100%)



- Cyan (20%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.7207, 0.2827, 0.3206 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 86.7207, 0.2827, 0.3206 by changing the saturation by 10% instead.

86.7207, 0.2827,
0.3206

86.7207, 0.2827,
0.3206

517.3047, 0.2960,
0.3245

65.2641, 0.2798,
0.3197

142.7748, 0.2872,
0.3220

47.6753, 0.2762,
0.3186

178.1410, 0.2890,
0.3225

33.5698, 0.2718,
0.3172

218.9127, 0.2906,
0.3230

22.5633, 0.2662,
0.3153

265.4740, 0.2919,
0.3234

14.2714, 0.2589,
0.3128

318.2095, 0.2931,
0.3237

8.3097, 0.2488,
0.3091

377.5035, 0.2942,

4.2937, 0.2341,

0.3240

0.3035

443.7404, 0.2952,
0.3243

■ 1.8392, 0.2108,
0.2936

■ 0.5114, 0.1069,
0.2752

■ 86.7207, 0.2827,
0.3206

■ 86.7207, 0.2827,
0.3206

■ 80.9366, 0.2683,
0.3158

■ 93.1567, 0.2978,
0.3251

■ 75.7649, 0.2550,
0.3106

99.9993, 0.3127,
0.3290

■ 71.1776, 0.2431,
0.3052

■ 67.1406, 0.2327,
0.2996

■ 63.6157, 0.2242,
0.2939

■ 60.5591, 0.2177,
0.2881

■ 57.9189, 0.2132,
0.2824

■ 55.6139, 0.2102,
0.2767

■ 55.5329, 0.2102,
0.2765

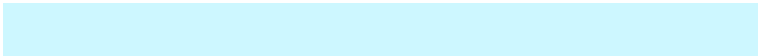
Harmonies

Analogous

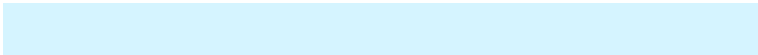
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.7207, 0.2912, 0.3357



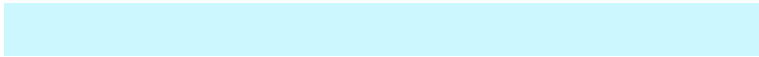
86.7207, 0.2827, 0.3206



86.7207, 0.2820, 0.3083

Triad

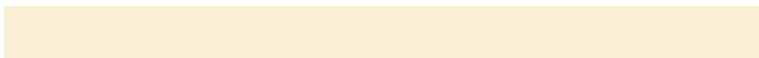
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.7207, 0.2827, 0.3206



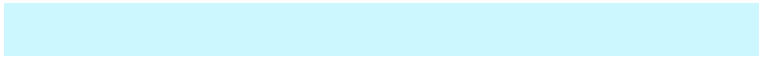
86.7207, 0.3195, 0.3099



86.7207, 0.3362, 0.3567

Complementary

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



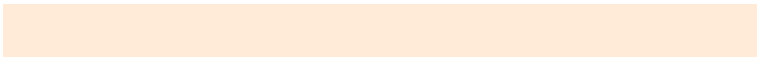
86.7207, 0.2827, 0.3206



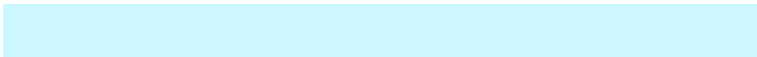
73.1913, 0.3502, 0.3372

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.



86.7207, 0.3443, 0.3488



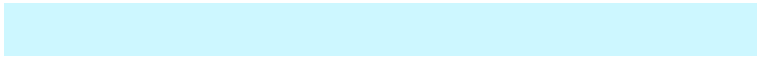
86.7207, 0.2827, 0.3206



86.7207, 0.3345, 0.3220

Square

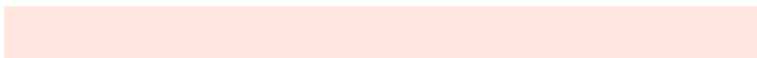
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.7207, 0.2827, 0.3206



86.7207, 0.3030, 0.3026



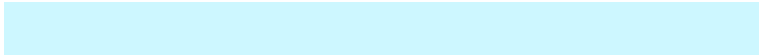
86.7207, 0.3437, 0.3361



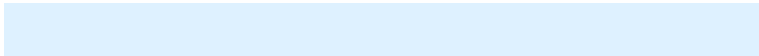
86.7207, 0.3219, 0.3570

Rectangle

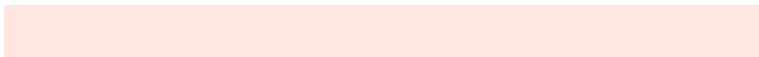
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



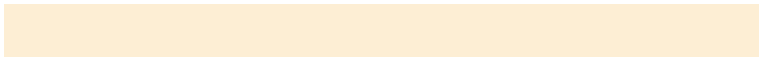
86.7207, 0.2827, 0.3206



86.7207, 0.2861, 0.3033



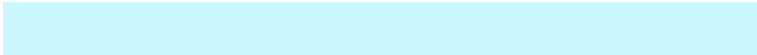
86.7207, 0.3437, 0.3361



86.7207, 0.3398, 0.3548

Sweetspot

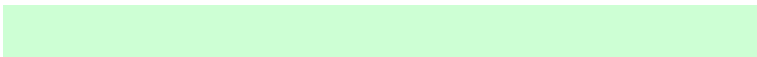
The Sweet Spot groups the original color and five complimentary colors.



86.7243, 0.2827, 0.3206



95.6701, 0.3034, 0.3266



89.2558, 0.3060, 0.3749



20.3796, 0.3024, 0.3263



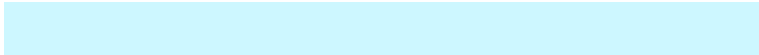
0.0000, 0.0000, 0.0000



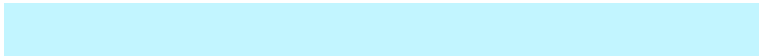
21.4041, 0.3127, 0.3290

Same Dimension

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



86.7243, 0.2827, 0.3206



84.1292, 0.2763, 0.3185



72.6656, 0.2811, 0.2941



19.9604, 0.2980, 0.3251



29.2041, 0.2104, 0.2775



2.9696, 0.2122, 0.2839

Inverse Universe

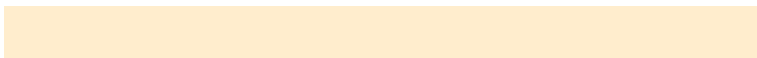
The Inverse Universe completely reimagines the original color for something new.



71.5990, 0.3206, 0.2875



66.3635, 0.3226, 0.2780



86.4995, 0.3456, 0.3616



18.2478, 0.3162, 0.3092



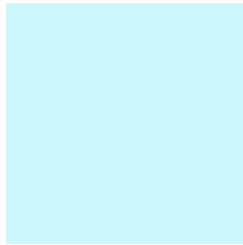
13.6761, 0.3658, 0.1789



1.3443, 0.3598, 0.1756

Previews

White Background



This preview shows how the Yxy color 86.7207, 0.2827, 0.3206 looks on a white background.

Color Contrast Check

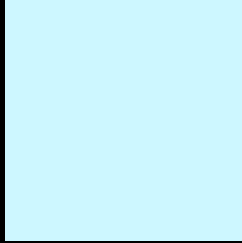
Large Text (above 18pt) WCAG AA × Fail

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 86.7207, 0.2827, 0.3206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

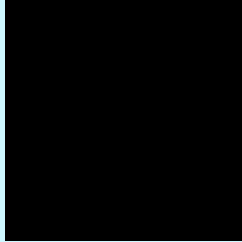
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.7207, 0.2827, 0.3206

Background



This preview shows how black text looks on a background with the Yxy color 86.7207, 0.2827, 0.3206.

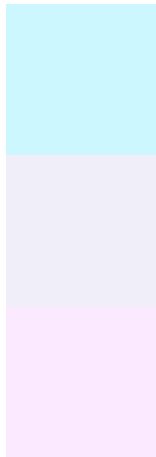


This preview shows how white text looks on a background with the Yxy color 86.7207, 0.2827, 0.3206.

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

86.7207, 0.2827, 0.3206

Protanopia

86.5139, 0.3073, 0.3180

Deuteranopia

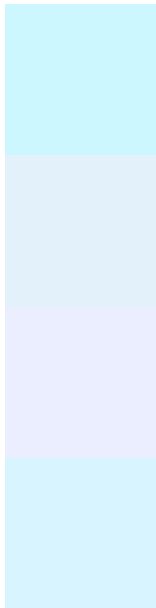
86.0071, 0.3111, 0.3076



Tritanopia

86.5368, 0.2913, 0.3167

Trichromacy



Original Color

86.7207, 0.2827, 0.3206

Protanomaly

86.2065, 0.2979, 0.3188

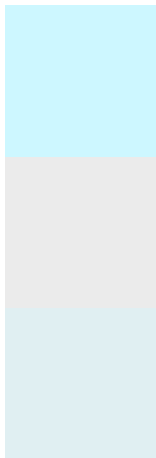
Deuteranomaly

85.8615, 0.2999, 0.3119

Tritanomaly

86.3684, 0.2884, 0.3176

Monochromacy



Original Color

86.7207, 0.2827, 0.3206

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.9911, 0.3012, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.7207, 0.2827, 0.3206 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(205, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 247, 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(205, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 247, 255) }
```

Border

The CSS property to change the border of an element to Yxy 86.7207, 0.2827, 0.3206 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(205, 247, 255) }
```

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

```
.border{ border-color:rgb(205, 247, 255) }
```

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

Here you see how a box with a 4 pixel rgb(205, 247, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 247,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 86.7207, 0.2827, 0.3206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 247, 255) }
```

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

```
.background{ background-color: rgb(205,  
247, 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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