

Converting Colors

Yxy(88.4434, 0.2704, 0.2862)

Have a look what the booklet for
Yxy(88.4434, 0.2704, 0.2862)
contains.

Yxy(86.0675, 0.2872, 0.3176)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(86.0675, 0.2872, 0.3176)

Conversions

Conversions Part 1

Format	Color
Hex	D5F4FF
RGB	213, 244, 255
RGB Percent	84%, 96%, 100%
CMY	0.1649, 0.0431, 0.0001
CMYK	0.16, 0.04, 0.00, 0.00
HSL	196°, 100%, 92%
HSV	196°, 16%, 100%
XYZ	77.8293, 86.0675, 107.0966
YIQ	235.9850, -22.0070, -3.1510

Conversions

Conversions Part 2

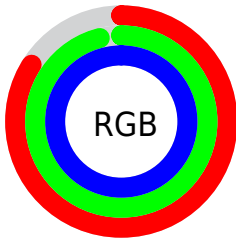
Format	Color
R _Y B	213, 231, 255
Decimal	14021887
CIE Lab	94.34, -7.83, -8.66
CIE LCh	94, 11.674, 227.862
Yxy	86.0675, 0.2872, 0.3176
Android (android.graphics.Color)	4292211967 (0xFFD5F4FF)
YUV	235.9850, 9.3744, -20.1578
Hunter-Lab	92.7726, -12.6037, -3.5035

Details

The Yxy color **86.0675, 0.2872, 0.3176** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.3261, 0.3425, 0.3401**, and the grayscale version is **83.8047, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.3128, 0.2820, 0.3156** is the 20% darker color. If you saturate the color by 10%, you get **78.6234, 0.2721, 0.3098**, and if you desaturate by 10%, it is **94.2625, 0.3027, 0.3247**.

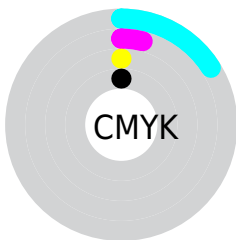
Distribution



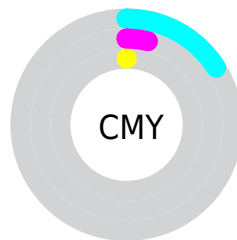
- Red (84%)
- Green (96%)
- Blue (100%)



- Red (84%)
- Yellow (91%)
- Blue (100%)



- Cyan (16%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.0675, 0.2872, 0.3176 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 86.0675, 0.2872, 0.3176 by changing the saturation by 10% instead.

86.0675, 0.2872,
0.3176

86.0675, 0.2872,
0.3176

515.1538, 0.2986,
0.3228

64.7238, 0.2847,
0.3164

141.8637, 0.2911,
0.3194

47.2371, 0.2817,
0.3150

177.0849, 0.2926,
0.3201

33.2232, 0.2779,
0.3131

217.7008, 0.2939,
0.3207

22.2975, 0.2731,
0.3108

264.0958, 0.2951,
0.3212

14.0756, 0.2667,
0.3076

316.6541, 0.2961,
0.3217

8.1733, 0.2580,
0.3031

375.7603, 0.2970,

4.2060, 0.2452,

0.3221

0.2962

441.7987, 0.2978,
0.3225

■ 1.7895, 0.2248,
0.2846

■ 0.4806, 0.1410,
0.2551

■ 86.0675, 0.2872,
0.3176

■ 86.0675, 0.2872,
0.3176

■ 78.6234, 0.2721,
0.3098

■ 94.2625, 0.3027,
0.3247

■ 71.8900, 0.2575,
0.3014

99.9984, 0.3127,
0.3290

■ 65.8394, 0.2440,
0.2924

■ 60.4369, 0.2318,
0.2829

■ 55.6445, 0.2213,
0.2732

■ 51.4193, 0.2127,
0.2633

■ 47.7110, 0.2061,
0.2534

■ 44.4575, 0.2014,
0.2437

■ 43.3872, 0.2001,
0.2403

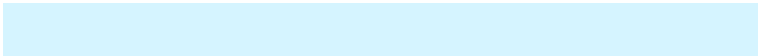
Harmonies

Analogous

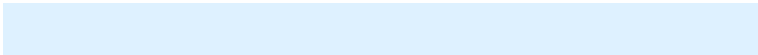
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.0675, 0.2915, 0.3293



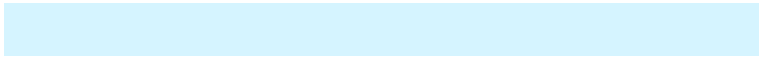
86.0675, 0.2872, 0.3176



86.0675, 0.2895, 0.3093

Triad

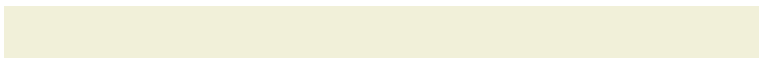
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.0675, 0.2872, 0.3176



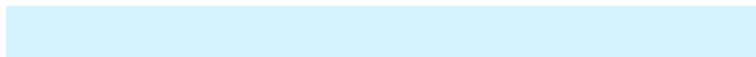
86.0675, 0.3238, 0.3173



86.0675, 0.3274, 0.3523

Complementary

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



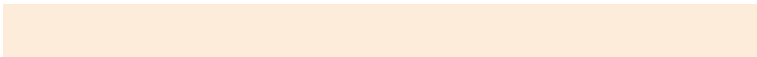
86.0675, 0.2872, 0.3176



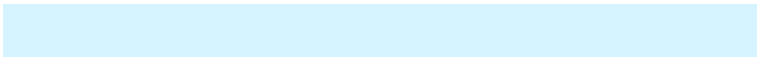
79.3261, 0.3425, 0.3401

Split Complementary

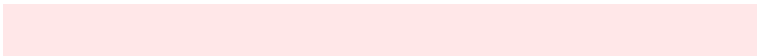
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.0675, 0.3364, 0.3485



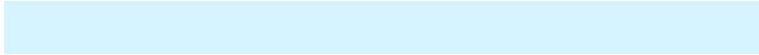
86.0675, 0.2872, 0.3176



86.0675, 0.3343, 0.3282

Square

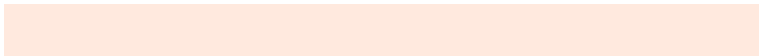
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.0675, 0.2872, 0.3176



86.0675, 0.3104, 0.3094



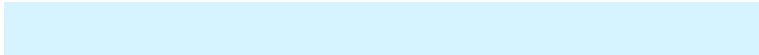
86.0675, 0.3389, 0.3396



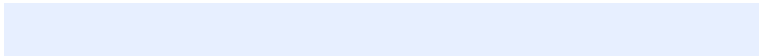
86.0675, 0.3146, 0.3497

Rectangle

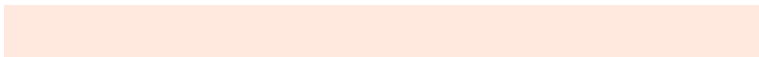
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.0675, 0.2872, 0.3176



86.0675, 0.2945, 0.3068



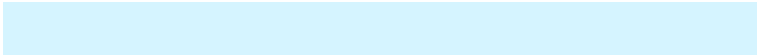
86.0675, 0.3389, 0.3396



86.0675, 0.3310, 0.3517

Sweetspot

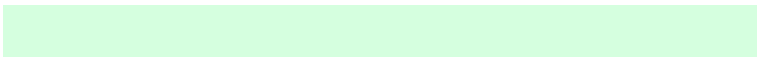
The Sweet Spot groups the original color and five complimentary colors.



86.0711, 0.2872, 0.3176



95.5581, 0.3050, 0.3257



90.9980, 0.3048, 0.3622



20.3231, 0.3039, 0.3253



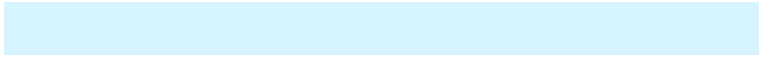
0.0000, 0.0000, 0.0000



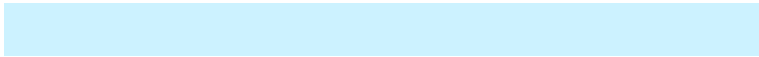
21.4041, 0.3127, 0.3290

Same Dimension

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



86.0711, 0.2872, 0.3176



83.3821, 0.2818, 0.3149



74.3836, 0.2862, 0.2957



19.6324, 0.2980, 0.3227



22.9310, 0.2005, 0.2419



2.4102, 0.2036, 0.2530

Inverse Universe

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



75.3578, 0.3221, 0.2984



70.8384, 0.3244, 0.2916



91.0437, 0.3392, 0.3602



18.2147, 0.3178, 0.3116



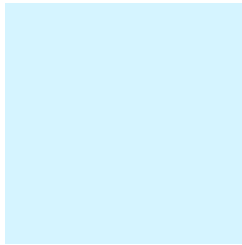
13.0429, 0.4004, 0.1979



1.2879, 0.3893, 0.1918

Previews

White Background



This preview shows how the Yxy color 86.0675, 0.2872, 0.3176 looks on a white background.

Color Contrast Check

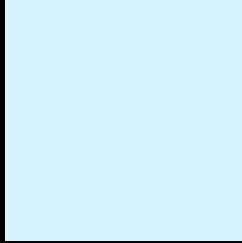
Large Text (above 18pt) WCAG AA × Fail

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 86.0675, 0.2872, 0.3176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

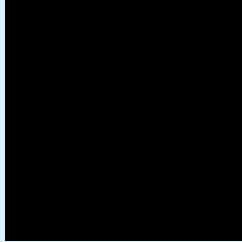
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

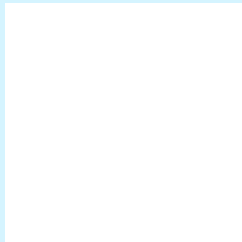
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.0675, 0.2872, 0.3176

Background



This preview shows how black text looks on a background with the Yxy color 86.0675, 0.2872, 0.3176.

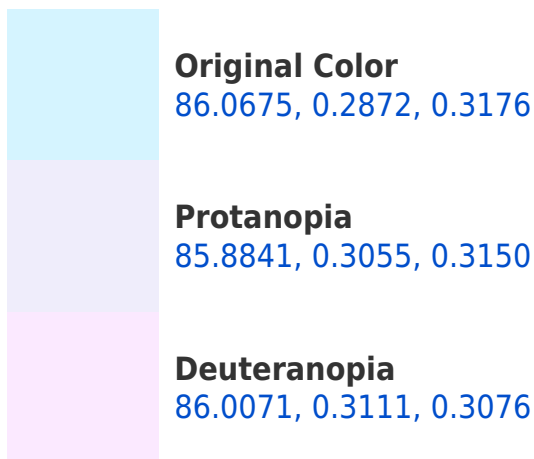


This preview shows how white text looks on a background with the Yxy color 86.0675, 0.2872, 0.3176.

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





Tritanopia

85.6602, 0.2925, 0.3147

Trichromacy



Original Color

86.0675, 0.2872, 0.3176

Protanomaly

86.1714, 0.2992, 0.3168

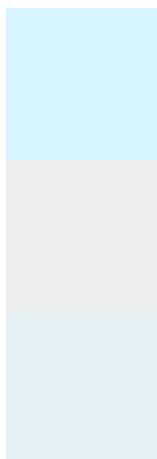
Deuteranomaly

85.7929, 0.3018, 0.3110

Tritanomaly

85.7843, 0.2907, 0.3156

Monochromacy



Original Color

86.0675, 0.2872, 0.3176

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.6980, 0.3032, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.0675, 0.2872, 0.3176 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(213, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(213, 244, 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(213, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 244, 255) }
```

Border

The CSS property to change the border of an element to Yxy 86.0675, 0.2872, 0.3176 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(213, 244, 255) }
```

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

```
.border{ border-color:rgb(213, 244, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(213, 244,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 86.0675, 0.2872, 0.3176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 244, 255) }
```

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

```
.background{ background-color: rgb(213,  
244, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor