

# Converting Colors

Yxy(86.9646, 0.2866, 0.3153)

Have a look what the booklet for  
Yxy(86.9646, 0.2866, 0.3153)  
contains.

<b>Yxy(86.9719, 0.2884, 0.3186)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(86.9719, 0.2884, 0.3186)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7F5FF
RGB	215, 245, 255
RGB Percent	84%, 96%, 100%
CMY	0.1569, 0.0392, 0.0000
CMYK	0.16, 0.04, 0.00, 0.00
HSL	195°, 100%, 92%
HSV	195°, 16%, 100%
XYZ	78.7279, 86.9719, 107.2817
YIQ	237.1700, -21.0900, -3.2500

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	215, 232, 255
Decimal	14153215
CIE <sub>Lab</sub>	94.73, -7.70, -8.11
CIE <sub>LCh</sub>	95, 11.180, 226.479
Yxy	86.9719, 0.2884, 0.3186
Android (android.graphics.Color)	4292343295 (0xFFD7F5FF)
YUV	237.1700, 8.7902, -19.4431
Hunter-Lab	93.2587, -12.5153, -2.9241

# Details

The Yxy color **86.9719, 0.2884, 0.3186** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.0032, 0.3409, 0.3391**, and the grayscale version is **84.7667, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.9460, 0.2835, 0.3170** is the 20% darker color. If you saturate the color by 10%, you get **79.6213, 0.2733, 0.3112**, and if you desaturate by 10%, it is **95.0582, 0.3039, 0.3254**.

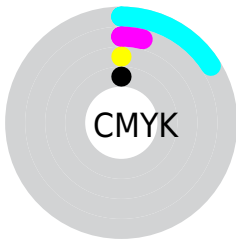
# Distribution



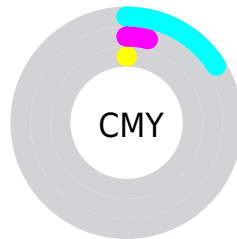
- Red (84%)
- Green (96%)
- Blue (100%)



- 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 86.9719, 0.2884, 0.3186 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 86.9719, 0.2884, 0.3186 by changing the saturation by 10% instead.



86.9719, 0.2884,  
0.3186

86.9719, 0.2884,  
0.3186

518.1305, 0.2992,  
0.3234

65.4720, 0.2860,  
0.3175

143.1250, 0.2921,  
0.3202

47.8439, 0.2831,  
0.3162

178.5469, 0.2935,  
0.3209

33.7033, 0.2796,  
0.3145

219.3782, 0.2948,  
0.3214

22.6657, 0.2750,  
0.3124

266.0034, 0.2959,  
0.3219

14.3469, 0.2690,  
0.3095

318.8069, 0.2969,  
0.3223

8.3623, 0.2607,  
0.3054

378.1729, 0.2977,

4.3277, 0.2486,

0.3227

0.2992

444.4860, 0.2985,  
0.3231

■ 1.8585, 0.2293,  
0.2887

■ 0.5232, 0.1563,  
0.2643

■ 86.9719, 0.2884,  
0.3186

■ 86.9719, 0.2884,  
0.3186

■ 79.6213, 0.2733,  
0.3112

■ 95.0582, 0.3039,  
0.3254

■ 72.9752, 0.2588,  
0.3032

100.0000, 0.3127,  
0.3290

■ 67.0028, 0.2453,  
0.2947

■ 61.6703, 0.2332,  
0.2857

■ 56.9400, 0.2226,  
0.2764

■ 52.7696, 0.2140,  
0.2670

■ 49.1098, 0.2074,  
0.2576

■ 45.9000, 0.2028,  
0.2483

■ 44.6189, 0.2012,  
0.2443

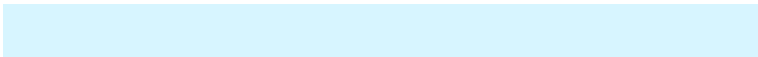
# Harmonies

## Analogous

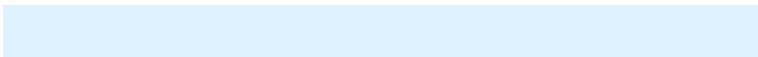
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.9719, 0.2928, 0.3298



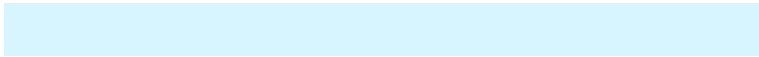
86.9719, 0.2884, 0.3186



86.9719, 0.2903, 0.3105

# Triad

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



86.9719, 0.2884, 0.3186



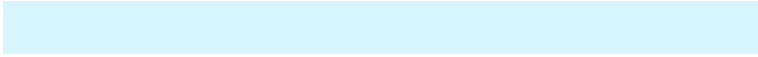
86.9719, 0.3227, 0.3174



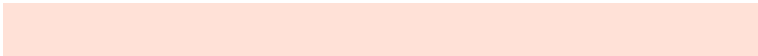
86.9719, 0.3272, 0.3512

# Complementary

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



86.9719, 0.2884, 0.3186



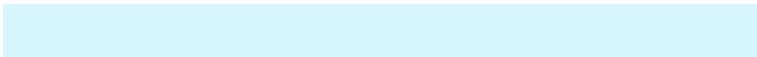
80.0032, 0.3409, 0.3391

# Split Complementary

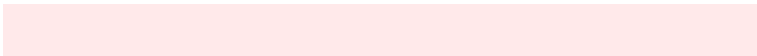
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.9719, 0.3355, 0.3473



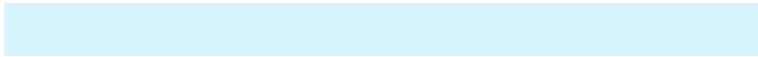
86.9719, 0.2884, 0.3186



86.9719, 0.3329, 0.3277

# Square

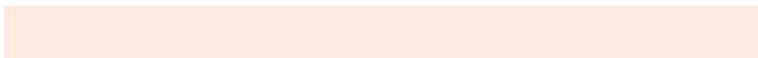
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



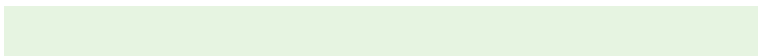
86.9719, 0.2884, 0.3186



86.9719, 0.3099, 0.3100



86.9719, 0.3377, 0.3386

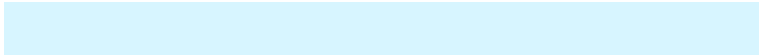


86.9719, 0.3151, 0.3490

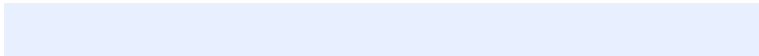


# Rectangle

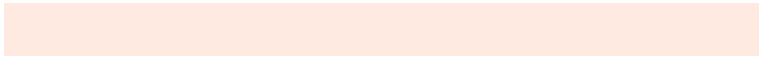
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.9719, 0.2884, 0.3186



86.9719, 0.2949, 0.3079



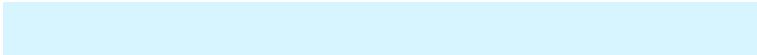
86.9719, 0.3377, 0.3386



86.9719, 0.3306, 0.3506

# Sweetspot

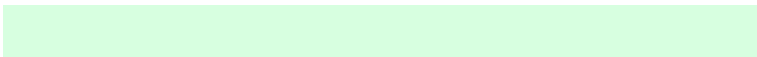
The Sweet Spot groups the original color and five complimentary colors.



86.9726, 0.2884, 0.3186



95.6466, 0.3050, 0.3259



91.3636, 0.3055, 0.3612



20.3446, 0.3039, 0.3254



0.0000, 0.0000, 0.0000

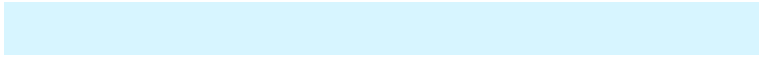


21.4041, 0.3127, 0.3290

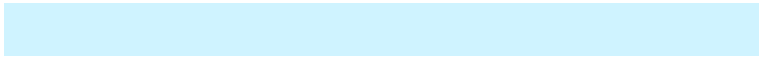


# Same Dimension

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



86.9726, 0.2884, 0.3186



84.4619, 0.2834, 0.3163



75.8689, 0.2876, 0.2982



19.6679, 0.2980, 0.3229



23.5637, 0.2016, 0.2458



2.4672, 0.2046, 0.2564



# Inverse Universe

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



76.4448, 0.3213, 0.2994



72.1329, 0.3234, 0.2930



91.0647, 0.3379, 0.3580



18.2183, 0.3176, 0.3113



13.1067, 0.3964, 0.1957

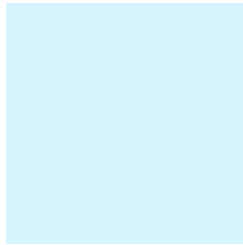


1.2936, 0.3859, 0.1899



# Previews

## White Background



This preview shows how the Yxy color 86.9719, 0.2884, 0.3186 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

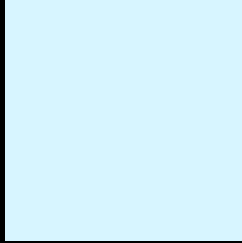
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.9719, 0.2884, 0.3186 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

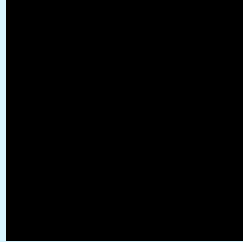
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

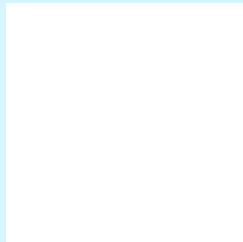
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 86.9719, 0.2884, 0.3186**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.9719, 0.2884, 0.3186.

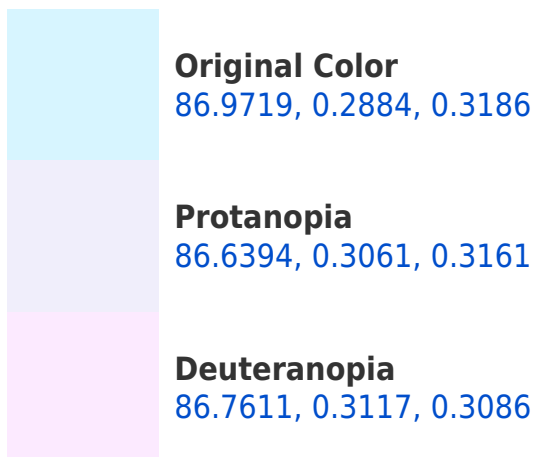


This preview shows how white text looks on a background with the Yxy color 86.9719, 0.2884, 0.3186.

# 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

86.7318, 0.2944, 0.3158

# Trichromacy



## Original Color

86.9719, 0.2884, 0.3186

## Protanomaly

86.9278, 0.2998, 0.3179

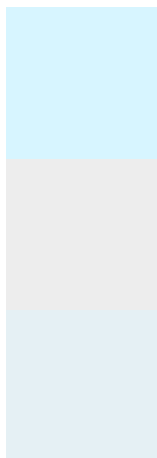
## Deuteranomaly

86.7198, 0.3031, 0.3121

## Tritanomaly

86.6933, 0.2920, 0.3167

# Monochromacy



## Original Color

86.9719, 0.2884, 0.3186

## Achromatopsia

84.6873, 0.3127, 0.3290

## Achromatomaly

85.5098, 0.3032, 0.3249

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.9719, 0.2884, 0.3186 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(215, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(215, 245, 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(215, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 245, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 86.9719, 0.2884, 0.3186 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(215, 245, 255) }
```

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

```
.border{ border-color:rgb(215, 245, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(215, 245,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.9719, 0.2884, 0.3186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 245, 255) }
```

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

```
.background{ background-color: rgb(215,  
245, 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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