

Converting Colors

$Yxy(88.5366, 0.2633, 0.2800)$

Have a look what the booklet for
Yxy(88.5366, 0.2633, 0.2800)
contains.

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Color

Yxy(85.6466, 0.2832, 0.3185)

Conversions

Conversions Part 1

Format	Color
Hex	CEF5FF
RGB	206, 245, 255
RGB Percent	81%, 96%, 100%
CMY	0.1921, 0.0392, 0.0001
CMYK	0.19, 0.04, 0.00, 0.00
HSL	192°, 100%, 90%
HSV	192°, 19%, 100%
XYZ	76.1542, 85.6466, 107.1053
YIQ	234.4790, -26.4540, -5.1580

Conversions

Conversions Part 2

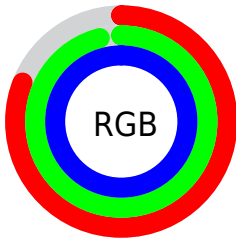
Format	Color
R_{YB}	206, 228, 255
Decimal	13563391
CIE _{Lab}	94.16, -10.44, -8.97
CIE _{LCh}	94, 13.763, 220.688
Yxy	85.6466, 0.2832, 0.3185
Android (android.graphics.Color)	4291753471 (0xFFCEFF)
YUV	234.4790, 10.1169, -24.9761
Hunter-Lab	92.5454, -15.0697, -3.8361

Details

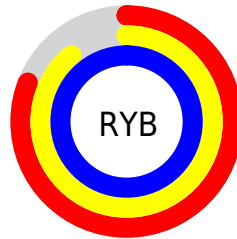
The Yxy color **85.6466, 0.2832, 0.3185** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.8143, 0.3488, 0.3393**, and the grayscale version is **82.6004, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.0517, 0.2770, 0.3168** is the 20% darker color. If you saturate the color by 10%, you get **79.1939, 0.2685, 0.3123**, and if you desaturate by 10%, it is **92.7864, 0.2984, 0.3242**.

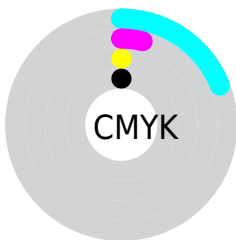
Distribution



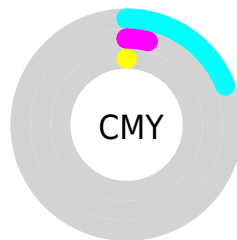
- Red (81%)
- Green (96%)
- Blue (100%)



- Red (81%)
- Yellow (89%)
- Blue (100%)



- Cyan (19%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (19%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.6466, 0.2832, 0.3185 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 85.6466, 0.2832, 0.3185 by changing the saturation by 10% instead.

85.6466, 0.2832,
0.3185

85.6466, 0.2832,
0.3185

513.7652, 0.2963,
0.3234

64.3758, 0.2803,
0.3174

141.2762, 0.2877,
0.3202

46.9551, 0.2768,
0.3160

176.4038, 0.2894,
0.3208

33.0002, 0.2725,
0.3143

216.9191, 0.2910,
0.3214

22.1266, 0.2669,
0.3120

263.2065, 0.2923,
0.3219

13.9499, 0.2596,
0.3089

315.6505, 0.2935,
0.3223

8.0858, 0.2495,
0.3046

374.6353, 0.2945,

4.1499, 0.2349,

0.3227

0.2978

440.5454, 0.2955,
0.3231

■ 1.7578, 0.2116,
0.2861

■ 0.4607, 0.1027,
0.2585

■ 85.6466, 0.2832,
0.3185

■ 85.6466, 0.2832,
0.3185

■ 79.1939, 0.2685,
0.3123

■ 92.7864, 0.2984,
0.3242

■ 73.3886, 0.2548,
0.3057

99.9986, 0.3127,
0.3290

■ 68.2026, 0.2422,
0.2987

■ 63.6015, 0.2312,
0.2914

■ 59.5467, 0.2220,
0.2839

■ 55.9946, 0.2148,
0.2763

■ 52.8932, 0.2096,
0.2688

■ 50.1649, 0.2060,
0.2614

■ 49.9566, 0.2058,
0.2608

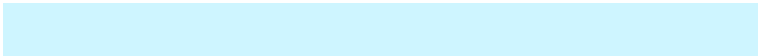
Harmonies

Analogous

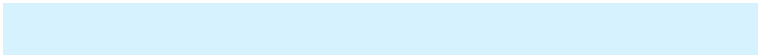
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.6466, 0.2900, 0.3328



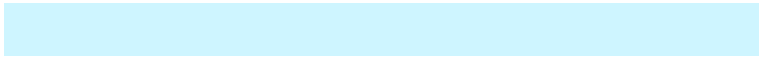
85.6466, 0.2832, 0.3185



85.6466, 0.2840, 0.3076

Triad

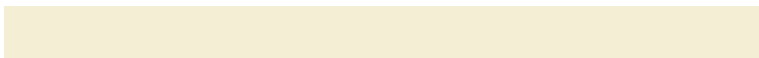
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.6466, 0.2832, 0.3185



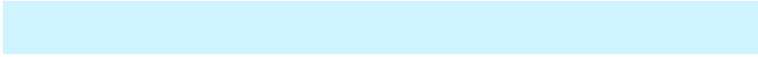
85.6466, 0.3221, 0.3125



85.6466, 0.3331, 0.3562

Complementary

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



85.6466, 0.2832, 0.3185



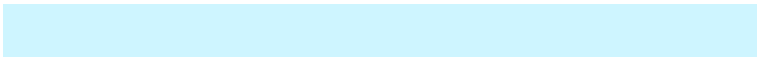
74.8143, 0.3488, 0.3393

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.



85.6466, 0.3422, 0.3498



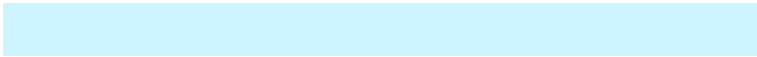
85.6466, 0.2832, 0.3185



85.6466, 0.3358, 0.3247

Square

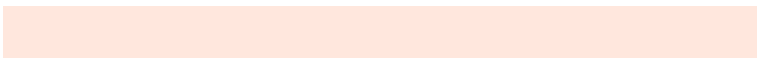
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



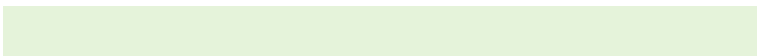
85.6466, 0.2832, 0.3185



85.6466, 0.3062, 0.3045



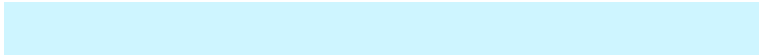
85.6466, 0.3432, 0.3383



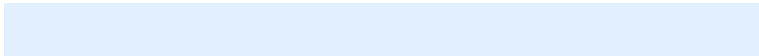
85.6466, 0.3187, 0.3550

Rectangle

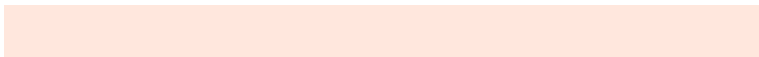
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.6466, 0.2832, 0.3185



85.6466, 0.2888, 0.3035



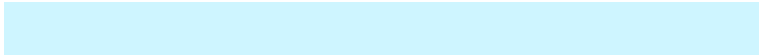
85.6466, 0.3432, 0.3383



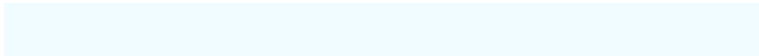
85.6466, 0.3369, 0.3548

Sweetspot

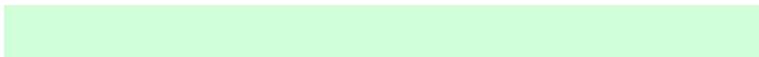
The Sweet Spot groups the original color and five complimentary colors.



85.6501, 0.2832, 0.3185



95.2410, 0.3034, 0.3259



89.5766, 0.3048, 0.3711



20.2780, 0.3024, 0.3256



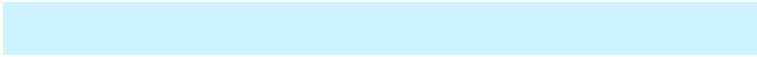
0.0000, 0.0000, 0.0000



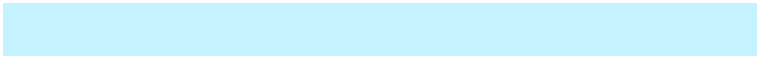
21.4041, 0.3127, 0.3290

Same Dimension

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



85.6501, 0.2832, 0.3185



83.1379, 0.2776, 0.3162



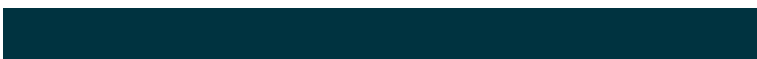
71.8961, 0.2816, 0.2923



19.8161, 0.2980, 0.3240



26.3281, 0.2061, 0.2621



2.7148, 0.2085, 0.2706

Inverse Universe

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



71.9957, 0.3219, 0.2905



67.3724, 0.3240, 0.2826



88.2018, 0.3443, 0.3632



18.2332, 0.3169, 0.3103



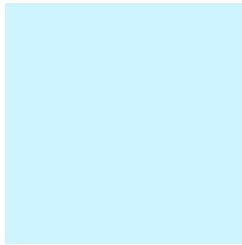
13.3858, 0.3804, 0.1869



1.3186, 0.3723, 0.1825

Previews

White Background



This preview shows how the Yxy color 85.6466, 0.2832, 0.3185 looks on a white background.

Color Contrast Check

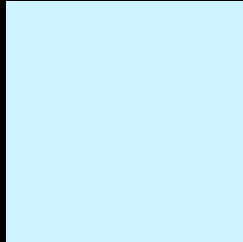
Large Text (above 18pt) WCAG AA × Fail

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 85.6466, 0.2832, 0.3185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

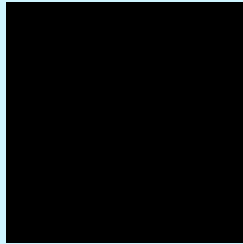
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.6466, 0.2832, 0.3185

Background



This preview shows how black text looks on a background with the Yxy color 85.6466, 0.2832, 0.3185.

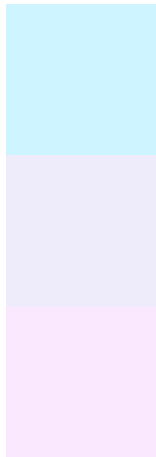


This preview shows how white text looks on a background with the Yxy color 85.6466, 0.2832, 0.3185.

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

85.6466, 0.2832, 0.3185

Protanopia

85.0702, 0.3055, 0.3150

Deuteranopia

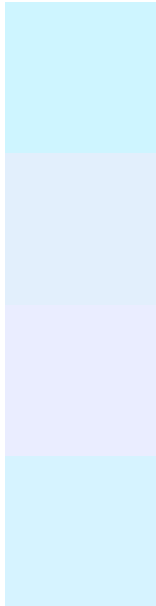
85.2572, 0.3104, 0.3066



Tritanopia

85.6297, 0.2901, 0.3156

Trichromacy



Original Color

85.6466, 0.2832, 0.3185

Protanomaly

84.9300, 0.2966, 0.3157

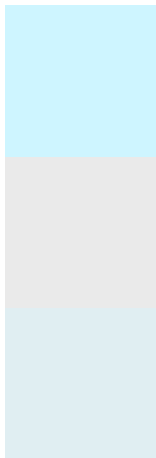
Deuteranomaly

85.2808, 0.2999, 0.3109

Tritanomaly

85.6173, 0.2878, 0.3165

Monochromacy



Original Color

85.6466, 0.2832, 0.3185

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

83.4072, 0.3012, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.6466, 0.2832, 0.3185 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(206, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(206, 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(206, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 245, 255) }
```

Border

The CSS property to change the border of an element to Yxy 85.6466, 0.2832, 0.3185 is called "border". The border property can be set on classes, ids or directly on the HTML element.

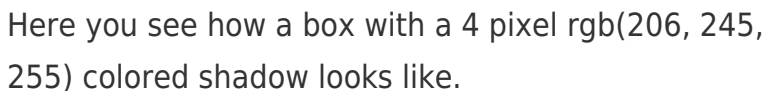
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(206, 245, 255) }
```

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

```
.border{ border-color:rgb(206, 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(206, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(206, 245,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 85.6466, 0.2832, 0.3185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 245, 255) }
```

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

```
.background{ background-color: rgb(206,  
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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