

Converting Colors

Yxy(86.1453, 0.2792, 0.3200)

Have a look what the booklet for
Yxy(86.1453, 0.2792, 0.3200)
contains.

Yxy(85.8836, 0.2794, 0.3205)	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(85.8836, 0.2794, 0.3205)

Conversions

Conversions Part 1

Format	Color
Hex	C7F7FF
RGB	199, 247, 255
RGB Percent	78%, 97%, 100%
CMY	0.2194, 0.0314, 0.0001
CMYK	0.22, 0.03, 0.00, 0.00
HSL	189°, 100%, 89%
HSV	189°, 22%, 100%
XYZ	74.8701, 85.8836, 107.2138
YIQ	233.5600, -31.1760, -7.6880

Conversions

Conversions Part 2

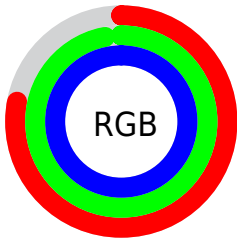
Format	Color
R _Y B	199, 225, 255
Decimal	13105151
CIE Lab	94.26, -13.50, -8.86
CIE LCh	94, 16.149, 213.294
Yxy	85.8836, 0.2794, 0.3205
Android (android.graphics.Color)	4291295231 (0xFFC7F7FF)
YUV	233.5600, 10.5699, -30.3091
Hunter-Lab	92.6734, -17.9697, -3.7212

Details

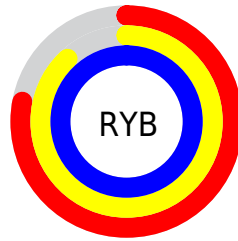
The Yxy color **85.8836, 0.2794, 0.3205** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.0205, 0.3558, 0.3373**, and the grayscale version is **81.8739, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.2681, 0.2724, 0.3193** is the 20% darker color. If you saturate the color by 10%, you get **80.4829, 0.2654, 0.3161**, and if you desaturate by 10%, it is **91.9190, 0.2943, 0.3246**.

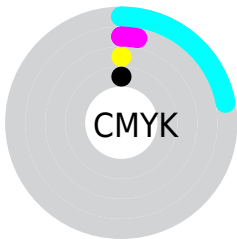
Distribution



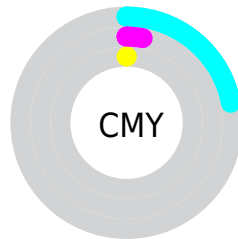
- Red (78%)
- Green (97%)
- Blue (100%)



- Red (78%)
- Yellow (88%)
- Blue (100%)



- Cyan (22%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)




- Cyan (22%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.8836, 0.2794, 0.3205 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 85.8836, 0.2794, 0.3205 by changing the saturation by 10% instead.


 85.8836, 0.2794,
0.3205

 85.8836, 0.2794,
0.3205


514.5473, 0.2942,
0.3245

 64.5717, 0.2762,
0.3196

141.6070, 0.2844,
0.3219

 47.1139, 0.2722,
0.3184

176.7874, 0.2864,
0.3225

 33.1257, 0.2673,
0.3169


217.3594, 0.2881,
0.3229

 22.2228, 0.2611,
0.3150

263.7074, 0.2896,
0.3233

 14.0207, 0.2529,
0.3123

316.2158, 0.2910,
0.3237

 8.1350, 0.2417,
0.3085

375.2689, 0.2922,

 4.1815, 0.2254,

0.3240

0.3024

441.2513, 0.2932,
0.3243

1.7756, 0.1998,
0.2917

0.4719, 0.0686,
0.2721

85.8836, 0.2794,
0.3205

85.8836, 0.2794,
0.3205

80.4829, 0.2654,
0.3161

91.9190, 0.2943,
0.3246

75.6771, 0.2525,
0.3115

98.6060, 0.3097,
0.3283

71.4379, 0.2411,
0.3066

99.9982, 0.3127,
0.3290

67.7302, 0.2314,
0.3015

■ 64.5149, 0.2236,
0.2964

■ 61.7469, 0.2177,
0.2913

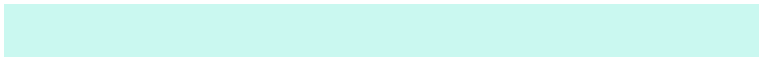
■ 59.3718, 0.2138,
0.2862

■ 57.6760, 0.2117,
0.2822

Harmonies

Analogous

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



85.8836, 0.2893, 0.3376



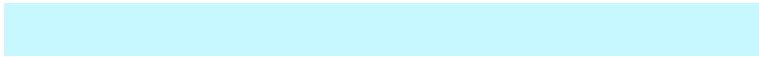
85.8836, 0.2794, 0.3205



85.8836, 0.2781, 0.3064

Triad

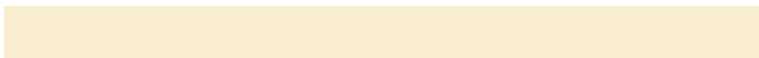
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.8836, 0.2794, 0.3205



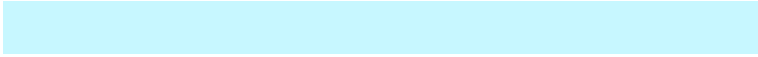
85.8836, 0.3191, 0.3069



85.8836, 0.3400, 0.3598

Complementary

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



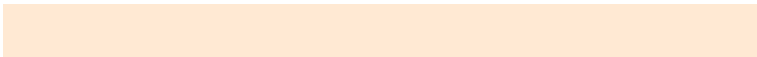
85.8836, 0.2794, 0.3205



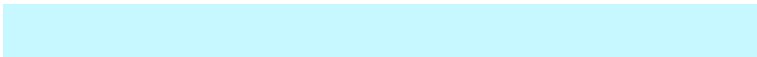
70.0205, 0.3558, 0.3373

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.



85.8836, 0.3485, 0.3504



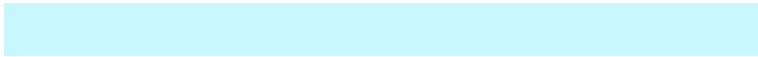
85.8836, 0.2794, 0.3205



85.8836, 0.3363, 0.3202

Square

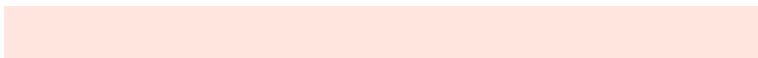
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



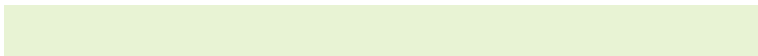
85.8836, 0.2794, 0.3205



85.8836, 0.3006, 0.2992



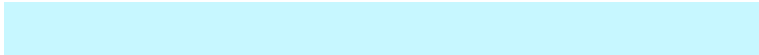
85.8836, 0.3472, 0.3359



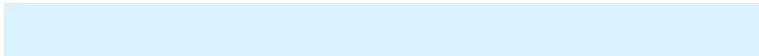
85.8836, 0.3241, 0.3608

Rectangle

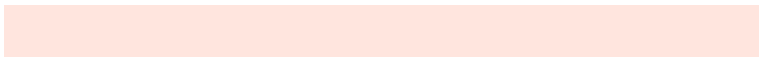
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.8836, 0.2794, 0.3205



85.8836, 0.2823, 0.3005



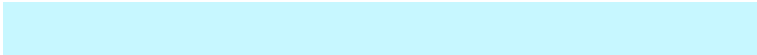
85.8836, 0.3472, 0.3359



85.8836, 0.3438, 0.3574

Sweetspot

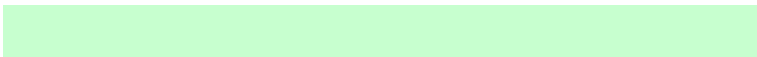
The Sweet Spot groups the original color and five complimentary colors.



85.8871, 0.2794, 0.3205



95.1567, 0.3018, 0.3265



88.1326, 0.3057, 0.3821



20.2814, 0.3009, 0.3262



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.



85.8871, 0.2794, 0.3205



83.6349, 0.2736, 0.3188



70.3219, 0.2772, 0.2905



20.0137, 0.2980, 0.3255



30.3138, 0.2120, 0.2830



3.0673, 0.2136, 0.2888

Inverse Universe

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



68.8415, 0.3210, 0.2816



64.1521, 0.3227, 0.2726



84.4935, 0.3500, 0.3647



18.2532, 0.3160, 0.3089



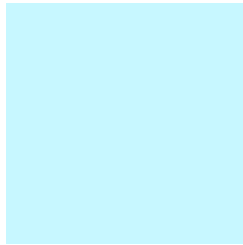
13.7882, 0.3607, 0.1761



1.3542, 0.3554, 0.1732

Previews

White Background



This preview shows how the Yxy color 85.8836, 0.2794, 0.3205 looks on a white background.

Color Contrast Check

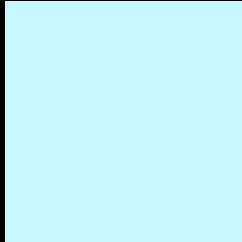
Large Text (above 18pt) WCAG AA × Fail

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 85.8836, 0.2794, 0.3205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

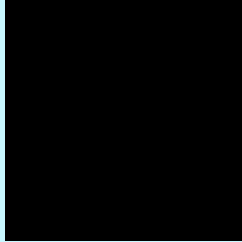
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.8836, 0.2794, 0.3205

Background



This preview shows how black text looks on a background with the Yxy color 85.8836, 0.2794, 0.3205.

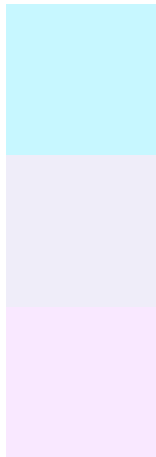


This preview shows how white text looks on a background with the Yxy color 85.8836, 0.2794, 0.3205.

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

85.8836, 0.2794, 0.3205

Protanopia

85.7586, 0.3067, 0.3170

Deuteranopia

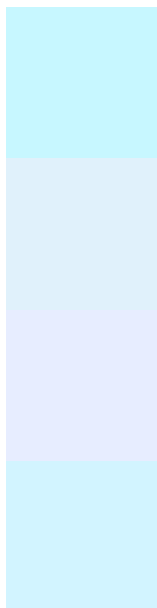
85.0730, 0.3098, 0.3065



Tritanopia

85.9201, 0.2889, 0.3166

Trichromacy



Original Color

85.8836, 0.2794, 0.3205

Protanomaly

85.7229, 0.2960, 0.3187

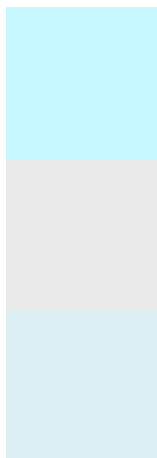
Deuteranomaly

84.7773, 0.2980, 0.3108

Tritanomaly

85.6230, 0.2854, 0.3175

Monochromacy



Original Color

85.8836, 0.2794, 0.3205

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

83.5160, 0.2993, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.8836, 0.2794, 0.3205 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(199, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(199, 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(199, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 247, 255) }
```

Border

The CSS property to change the border of an element to Yxy 85.8836, 0.2794, 0.3205 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(199, 247, 255) }
```

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

```
.border{ border-color:rgb(199, 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(199, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(199, 247,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 85.8836, 0.2794, 0.3205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 247, 255) }
```

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

```
.background{ background-color: rgb(199,  
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](#).

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