

Converting Colors

$Y_{xy}(85.2715, 0.2798, 0.3194)$

Have a look what the booklet for
Yxy(85.2715, 0.2798, 0.3194)
contains.

Yxy(85.4109, 0.2798, 0.3194)	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(85.4109, 0.2798, 0.3194)

Conversions

Conversions Part 1

Format	Color
Hex	C8F6FF
RGB	200, 246, 255
RGB Percent	78%, 96%, 100%
CMY	0.2158, 0.0353, 0.0000
CMYK	0.22, 0.04, 0.00, 0.00
HSL	190°, 100%, 89%
HSV	190°, 22%, 100%
XYZ	74.8214, 85.4109, 107.1781
YIQ	233.2720, -30.3050, -6.9530

Conversions

Conversions Part 2

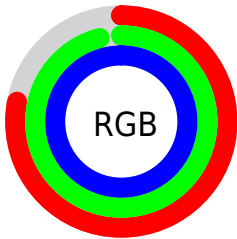
Format	Color
R _Y B	200, 225, 255
Decimal	13170431
CIE Lab	94.06, -12.73, -9.19
CIE LCh	94, 15.698, 215.843
Yxy	85.4109, 0.2798, 0.3194
Android (android.graphics.Color)	4291360511 (0xFFC8F6FF)
YUV	233.2720, 10.7119, -29.1795
Hunter-Lab	92.4180, -17.2183, -4.0666

Details

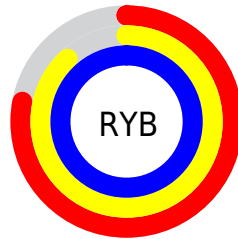
The Yxy color **85.4109, 0.2798, 0.3194** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.0057, 0.3548, 0.3384**, and the grayscale version is **81.6312, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.9239, 0.2730, 0.3180** is the 20% darker color. If you saturate the color by 10%, you get **79.6842, 0.2656, 0.3144**, and if you desaturate by 10%, it is **91.7823, 0.2948, 0.3241**.

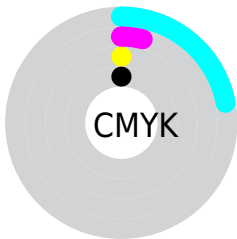
Distribution



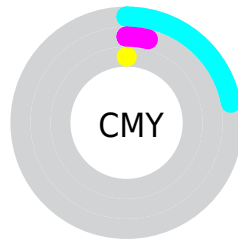
- Red (78%)
- Green (96%)
- Blue (100%)



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



- Cyan (22%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.4109, 0.2798, 0.3194 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 85.4109, 0.2798, 0.3194 by changing the saturation by 10% instead.

85.4109, 0.2798,
0.3194

85.4109, 0.2798,
0.3194

512.9867, 0.2944,
0.3239

64.1810, 0.2766,
0.3184

140.9471, 0.2848,
0.3210

46.7972, 0.2727,
0.3171

176.0222, 0.2867,
0.3216

32.8754, 0.2678,
0.3154

216.4811, 0.2884,
0.3221

22.0310, 0.2617,
0.3133

262.7082, 0.2899,
0.3226

13.8797, 0.2536,
0.3103

315.0879, 0.2913,
0.3230

8.0370, 0.2424,
0.3061

374.0046, 0.2924,

4.1187, 0.2262,

0.3233

0.2995

439.8428, 0.2935,
0.3236

1.7402, 0.2006,
0.2878

0.4495, 0.0682,
0.2632

85.4109, 0.2798,
0.3194

85.4109, 0.2798,
0.3194

79.6842, 0.2656,
0.3144

91.7823, 0.2948,
0.3241

74.5693, 0.2525,
0.3091

98.8222, 0.3102,
0.3284

70.0353, 0.2408,
0.3034

100.0000, 0.3127,
0.3290

66.0474, 0.2307,
0.2976

■ 62.5664, 0.2226,
0.2917

■ 59.5472, 0.2164,
0.2858

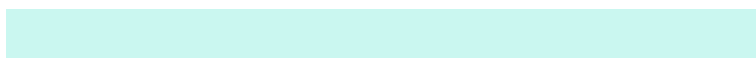
■ 56.9358, 0.2121,
0.2799

■ 54.9848, 0.2097,
0.2750

Harmonies

Analogous

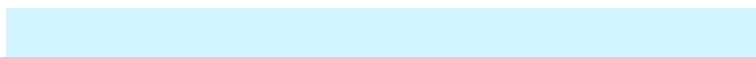
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.4109, 0.2888, 0.3360



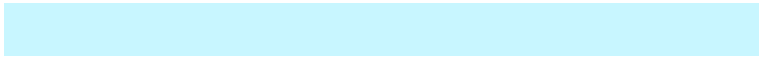
85.4109, 0.2798, 0.3194



85.4109, 0.2793, 0.3061

Triad

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



85.4109, 0.2798, 0.3194



85.4109, 0.3205, 0.3084



85.4109, 0.3382, 0.3594

Complementary

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



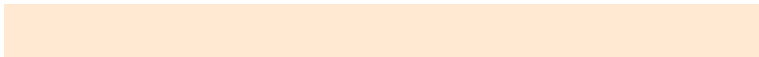
85.4109, 0.2798, 0.3194



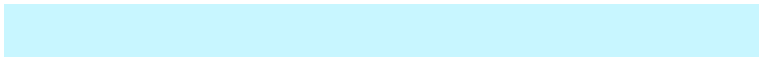
71.0057, 0.3548, 0.3384

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.



85.4109, 0.3472, 0.3509



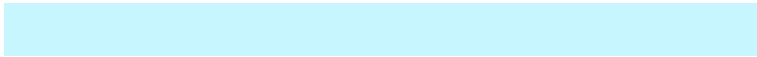
85.4109, 0.2798, 0.3194



85.4109, 0.3369, 0.3216

Square

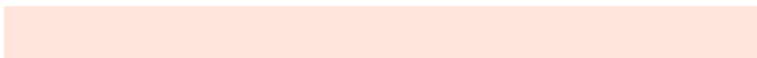
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.4109, 0.2798, 0.3194



85.4109, 0.3024, 0.3003



85.4109, 0.3468, 0.3370



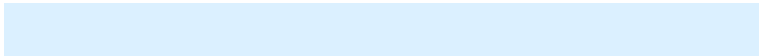
85.4109, 0.3224, 0.3597

Rectangle

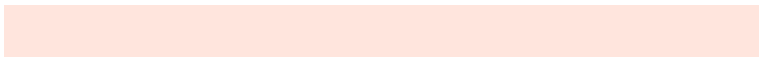
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.4109, 0.2798, 0.3194



85.4109, 0.2838, 0.3008



85.4109, 0.3468, 0.3370



85.4109, 0.3421, 0.3574

Sweetspot

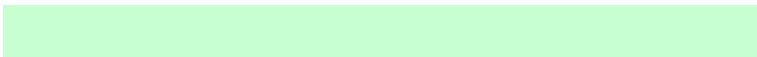
The Sweet Spot groups the original color and five complimentary colors.



85.4121, 0.2798, 0.3194



95.6287, 0.3034, 0.3265



88.3590, 0.3053, 0.3801



20.3698, 0.3024, 0.3263



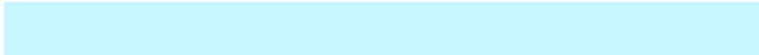
0.0000, 0.0000, 0.0000



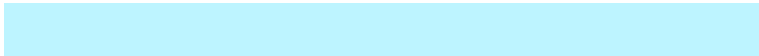
21.4041, 0.3127, 0.3290

Same Dimension

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



85.4121, 0.2798, 0.3194



82.8048, 0.2734, 0.3173



70.2750, 0.2777, 0.2902



19.9465, 0.2980, 0.3250



28.9186, 0.2100, 0.2760



2.9444, 0.2119, 0.2827

Inverse Universe

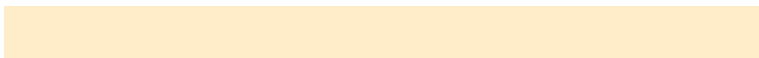
The Inverse Universe completely reimagines the original color for something new.



69.2056, 0.3216, 0.2835



64.0683, 0.3238, 0.2739



85.2679, 0.3492, 0.3650



18.2464, 0.3163, 0.3093



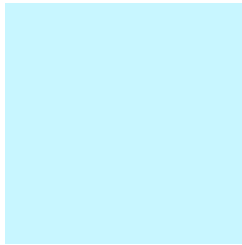
13.6473, 0.3672, 0.1796



1.3418, 0.3610, 0.1762

Previews

White Background



This preview shows how the Yxy color 85.4109, 0.2798, 0.3194 looks on a white background.

Color Contrast Check

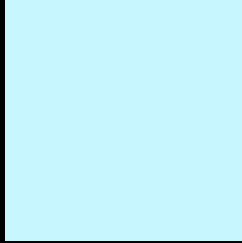
Large Text (above 18pt) WCAG AA × Fail

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 85.4109, 0.2798, 0.3194 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

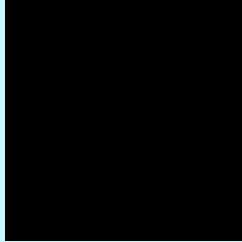
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.4109, 0.2798, 0.3194

Background



This preview shows how black text looks on a background with the Yxy color 85.4109, 0.2798, 0.3194.

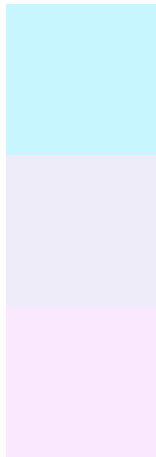


This preview shows how white text looks on a background with the Yxy color 85.4109, 0.2798, 0.3194.

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

85.4109, 0.2798, 0.3194

Protanopia

85.0076, 0.3061, 0.3160

Deuteranopia

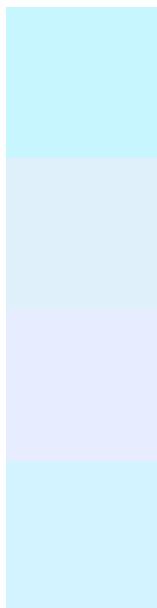
85.0730, 0.3098, 0.3065



Tritanopia

85.1713, 0.2883, 0.3155

Trichromacy



Original Color

85.4109, 0.2798, 0.3194

Protanomaly

85.1325, 0.2960, 0.3177

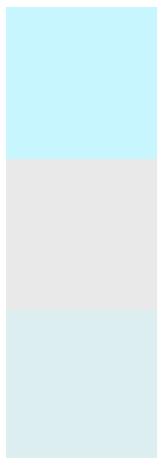
Deuteranomaly

84.7773, 0.2980, 0.3108

Tritanomaly

85.0228, 0.2854, 0.3164

Monochromacy



Original Color

85.4109, 0.2798, 0.3194

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

82.8721, 0.2999, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.4109, 0.2798, 0.3194 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(200, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(200, 246, 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(200, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 246, 255) }
```

Border

The CSS property to change the border of an element to Yxy 85.4109, 0.2798, 0.3194 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(200, 246, 255) }
```

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

```
.border{ border-color:rgb(200, 246, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(200, 246,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 85.4109, 0.2798, 0.3194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 246, 255) }
```

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

```
.background{ background-color: rgb(200,  
246, 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