

Converting Colors

$Y_{xy}(84.7909, 0.2779, 0.3100)$

Have a look what the booklet for
Yxy(84.7909, 0.2779, 0.3100)
contains.

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Color

Yxy(84.6179, 0.2814, 0.3174)

Conversions

Conversions Part 1	
Format	Color
Hex	CBF4FF
RGB	203, 244, 255
RGB Percent	80%, 96%, 100%
CMY	0.2040, 0.0431, 0.0001
CMYK	0.20, 0.04, 0.00, 0.00
HSL	193°, 100%, 90%
HSV	193°, 20%, 100%
XYZ	75.0204, 84.6179, 106.9587
YIQ	232.9950, -27.9670, -5.2710

Conversions

Conversions Part 2

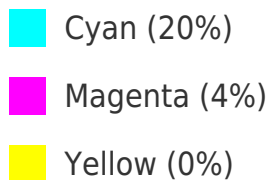
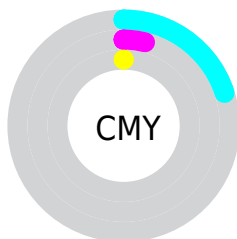
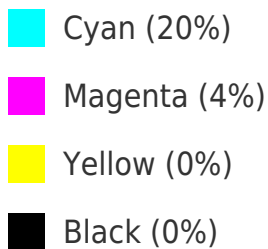
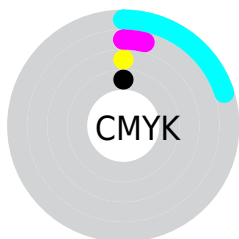
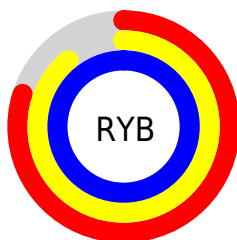
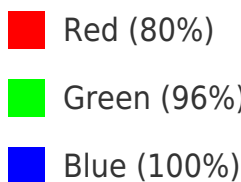
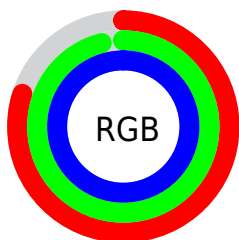
Format	Color
RYB	203, 226, 255
Decimal	13366527
CIELab	93.72, -10.84, -9.65
CIELCh	94, 14.513, 221.654
Yxy	84.6179, 0.2814, 0.3174
Android (android.graphics.Color)	4291556607 (0xFFCBF4FF)
YUV	232.9950, 10.8485, -26.3056
Hunter-Lab	91.9880, -15.4041, -4.5477

Details

The Yxy color 84.6179, 0.2814, 0.3174 is a light color, and the websafe version is hex CCFFFF. A complement of this color would be 73.6249, 0.3514, 0.3403, and the grayscale version is 81.4124, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 46.3396, 0.2748, 0.3153 is the 20% darker color. If you saturate the color by 10%, you get 78.1451, 0.2668, 0.3109, and if you desaturate by 10%, it is 91.7805, 0.2966, 0.3234.


Distribution



Brightness & Saturation Gradients


These gradients show how the Yxy color 84.6179, 0.2814, 0.3174 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 84.6179, 0.2814, 0.3174 by changing the saturation by 10% instead.

 84.6179, 0.2814,
0.3174

 84.6179, 0.2814,
0.3174

510.3629, 0.2954,
0.3228

 63.5257, 0.2783,
0.3162


139.8392, 0.2861,
0.3193

 46.2666, 0.2746,
0.3146


174.7371, 0.2880,
0.3200

 32.4563, 0.2700,
0.3127


215.0057, 0.2896,
0.3206

 21.7103, 0.2641,
0.3102

261.0294, 0.2911,
0.3212

 13.6442, 0.2563,
0.3068

313.1925, 0.2923,
0.3217

 7.8736, 0.2455,
0.3019

371.8796, 0.2935,

 4.0142, 0.2299,

0.3221

0.2943

437.4749, 0.2945,
0.3225

■ 1.6815, 0.2050,
0.2812

■ 0.4116, 0.0758,
0.2466

■ 84.6179, 0.2814,
0.3174

■ 84.6179, 0.2814,
0.3174

■ 78.1451, 0.2668,
0.3109

■ 91.7805, 0.2966,
0.3234

■ 72.3222, 0.2531,
0.3040

99.6501, 0.3121,
0.3288

■ 67.1206, 0.2406,
0.2967

99.9980, 0.3127,
0.3290

■ 62.5054, 0.2297,
0.2891

■ 58.4376, 0.2207,
0.2813

■ 54.8724, 0.2136,
0.2735

■ 51.7568, 0.2084,
0.2657

■ 49.1048, 0.2051,
0.2583

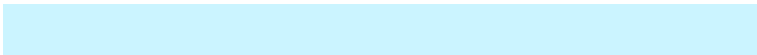
Harmonies

Analogous

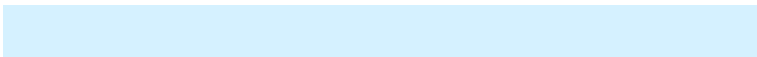
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.6179, 0.2884, 0.3325



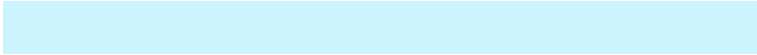
84.6179, 0.2814, 0.3174



84.6179, 0.2825, 0.3060

Triad

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



84.6179, 0.2814, 0.3174



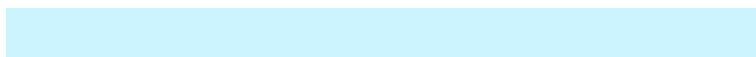
84.6179, 0.3232, 0.3120



84.6179, 0.3339, 0.3579

Complementary

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



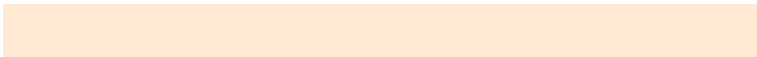
84.6179, 0.2814, 0.3174



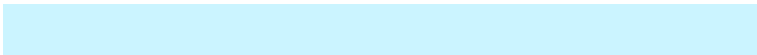
73.6249, 0.3514, 0.3403

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.



84.6179, 0.3437, 0.3514



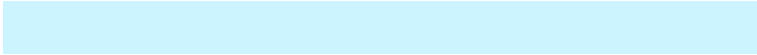
84.6179, 0.2814, 0.3174



84.6179, 0.3375, 0.3249

Square

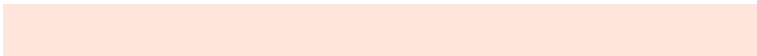
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.6179, 0.2814, 0.3174



84.6179, 0.3063, 0.3033



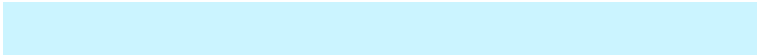
84.6179, 0.3451, 0.3392



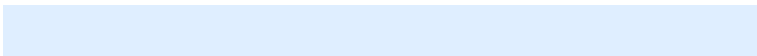
84.6179, 0.3185, 0.3564

Rectangle

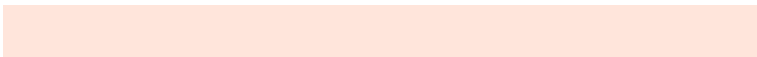
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.6179, 0.2814, 0.3174



84.6179, 0.2877, 0.3019



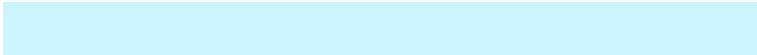
84.6179, 0.3451, 0.3392



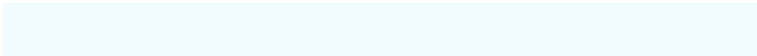
84.6179, 0.3379, 0.3565

Sweetspot

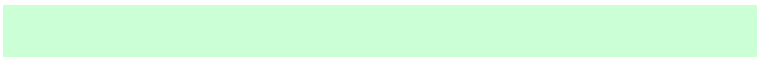
The Sweet Spot groups the original color and five complimentary colors.



84.6214, 0.2814, 0.3174



95.1731, 0.3034, 0.3258



89.0169, 0.3043, 0.3740



20.2619, 0.3024, 0.3255



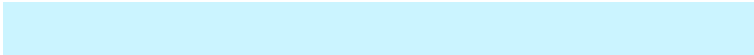
0.0000, 0.0000, 0.0000



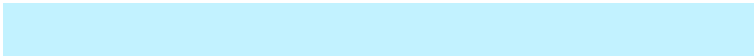
21.4041, 0.3127, 0.3290

Same Dimension

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



84.6214, 0.2814, 0.3174



82.2293, 0.2760, 0.3151



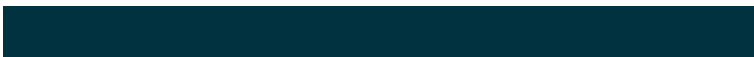
70.3540, 0.2796, 0.2897



19.7933, 0.2980, 0.3239



25.8901, 0.2055, 0.2596



2.6757, 0.2079, 0.2684

Inverse Universe

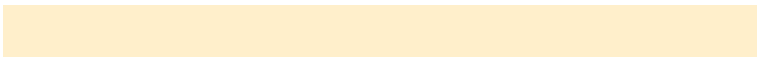
The Inverse Universe completely reimagines the original color for something new.



70.4889, 0.3228, 0.2884



66.1717, 0.3249, 0.2810



87.5159, 0.3465, 0.3654



18.2309, 0.3170, 0.3104



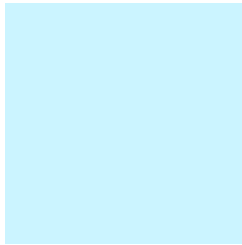
13.3416, 0.3828, 0.1882



1.3147, 0.3743, 0.1836

Previews

White Background



This preview shows how the Yxy color 84.6179, 0.2814, 0.3174 looks on a white background.

Color Contrast Check

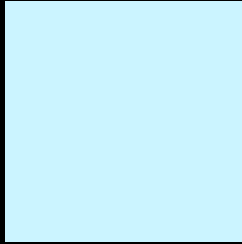
Large Text (above 18pt) WCAG AA × Fail

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 84.6179, 0.2814, 0.3174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

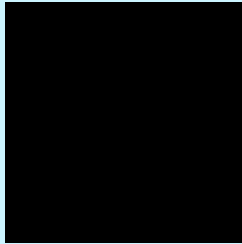
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.6179, 0.2814, 0.3174

Background



This preview shows how black text looks on a background with the Yxy color 84.6179, 0.2814, 0.3174.

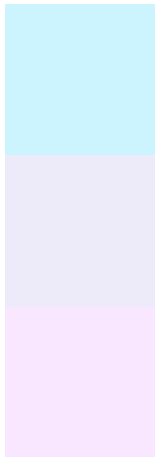


This preview shows how white text looks on a background with the Yxy color 84.6179, 0.2814, 0.3174.

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

84.6179, 0.2814, 0.3174

Protanopia

84.2607, 0.3055, 0.3149

Deuteranopia

84.3283, 0.3091, 0.3055



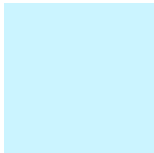
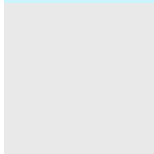
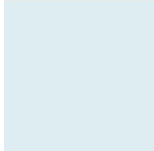
Tritanopia

84.4267, 0.2877, 0.3144

Trichromacy

	Original Color 84.6179, 0.2814, 0.3174
	Protanomaly 84.1217, 0.2966, 0.3157
	Deuteranomaly 84.3667, 0.2987, 0.3098
	Tritanomaly 84.4259, 0.2853, 0.3154

Monochromacy

	Original Color 84.6179, 0.2814, 0.3174
	Achromatopsia 81.4847, 0.3127, 0.3290
	Achromatomaly 82.4488, 0.3005, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.6179, 0.2814, 0.3174 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(203, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(203, 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(203, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 244, 255) }
```

Border

The CSS property to change the border of an element to Yxy 84.6179, 0.2814, 0.3174 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(203, 244, 255) }
```

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

```
.border{ border-color:rgb(203, 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(203, 244, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(203, 244,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 84.6179, 0.2814, 0.3174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 244, 255) }
```

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

```
.background{ background-color: rgb(203,  
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](#).

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