

Converting Colors

$Yxy(83.6795, 0.2842, 0.3174)$

Have a look what the booklet for
Yxy(83.6795, 0.2842, 0.3174)
contains.

Yxy(83.7179, 0.2841, 0.3174)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(83.7179, 0.2841, 0.3174)

Conversions

Conversions Part 1

Format	Color
Hex	CEF2FD
RGB	206, 242, 253
RGB Percent	81%, 95%, 99%
CMY	0.1921, 0.0510, 0.0080
CMYK	0.19, 0.04, 0.00, 0.01
HSL	194°, 92%, 90%
HSV	194°, 19%, 99%
XYZ	74.9346, 83.7179, 105.1090
YIQ	232.4900, -24.9870, -4.2110

Conversions

Conversions Part 2

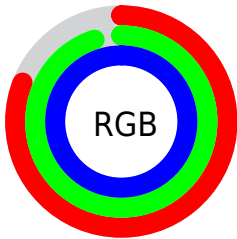
Format	Color
R_{YB}	206, 226, 253
Decimal	13562621
CIE _{Lab}	93.33, -9.34, -9.17
CIE _{LCh}	93, 13.084, 224.470
Yxy	83.7179, 0.2841, 0.3174
Android (android.graphics.Color)	4291752701 (0xFFCEFF2FD)
YUV	232.4900, 10.1114, -23.2317
Hunter-Lab	91.4975, -13.9326, -4.0619

Details

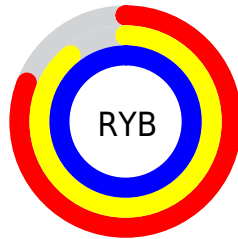
The Yxy color **83.7179, 0.2841, 0.3174** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.9507, 0.3471, 0.3403**, and the grayscale version is **81.0224, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.6826, 0.2780, 0.3153** is the 20% darker color. If you saturate the color by 10%, you get **76.9271, 0.2692, 0.3103**, and if you desaturate by 10%, it is **91.2118, 0.2994, 0.3239**.

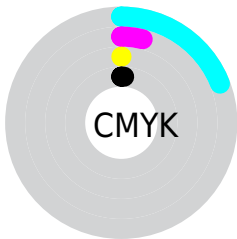
Distribution



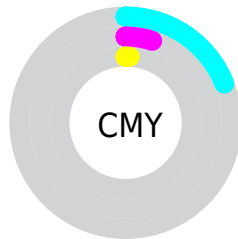
- Red (81%)
- Green (95%)
- Blue (99%)



- Red (81%)
- Yellow (89%)
- Blue (99%)



- Cyan (19%)
- Magenta (4%)
- Yellow (0%)
- Black (1%)



- Cyan (19%)
- Magenta (5%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.7179, 0.2841, 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 83.7179, 0.2841, 0.3174 by changing the saturation by 10% instead.

83.7179, 0.2841,
0.3174

83.7179, 0.2841,
0.3174

507.3760, 0.2969,
0.3228

62.7826, 0.2813,
0.3162

138.5805, 0.2885,
0.3193

45.6653, 0.2778,
0.3147

173.2765, 0.2902,
0.3200

31.9818, 0.2736,
0.3127

213.3283, 0.2917,
0.3206

21.3476, 0.2681,
0.3103

259.1201, 0.2930,
0.3212

13.3783, 0.2609,
0.3069

311.0363, 0.2941,
0.3216

7.6896, 0.2509,
0.3020

369.4615, 0.2951,

3.8970, 0.2362,

0.3221

0.2946

434.7799, 0.2961,
0.3224

■ 1.6161, 0.2127,
0.2817

■ 0.3684, 0.0796,
0.2401

■ 83.7179, 0.2841,
0.3174

■ 83.7179, 0.2841,
0.3174

■ 76.9271, 0.2692,
0.3103

■ 91.2118, 0.2994,
0.3239

■ 70.8002, 0.2551,
0.3027

■ 99.1181, 0.3139,
0.3298

■ 65.3096, 0.2422,
0.2946

■ 99.8697, 0.3139,
0.3309

■ 60.4211, 0.2307,
0.2862

■ 56.0970, 0.2209,
0.2775

■ 52.2944, 0.2131,
0.2688

■ 48.9628, 0.2073,
0.2600

■ 46.0306, 0.2033,
0.2514

■ 45.6271, 0.2028,
0.2502

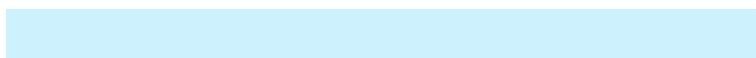
Harmonies

Analogous

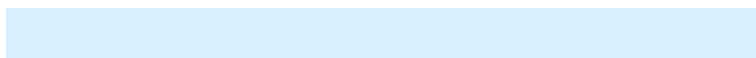
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.7179, 0.2898, 0.3309



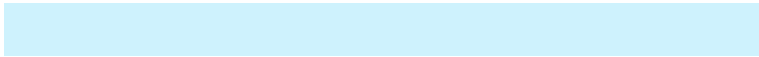
83.7179, 0.2841, 0.3174



83.7179, 0.2858, 0.3075

Triad

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



83.7179, 0.2841, 0.3174



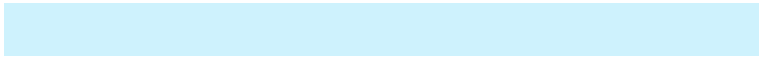
83.7179, 0.3236, 0.3145



83.7179, 0.3307, 0.3553

Complementary

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



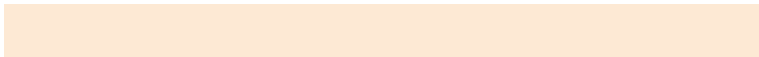
83.7179, 0.2841, 0.3174



74.9507, 0.3471, 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.



83.7179, 0.3402, 0.3501



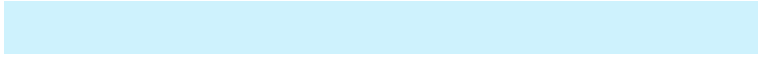
83.7179, 0.2841, 0.3174



83.7179, 0.3361, 0.3265

Square

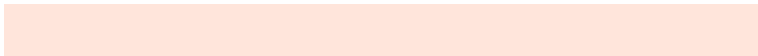
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.7179, 0.2841, 0.3174



83.7179, 0.3084, 0.3062



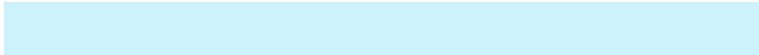
83.7179, 0.3422, 0.3395



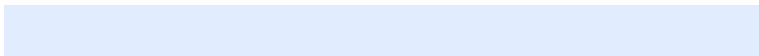
83.7179, 0.3165, 0.3532

Rectangle

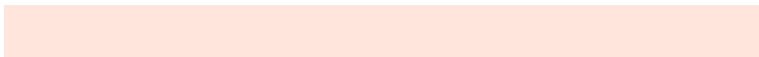
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.7179, 0.2841, 0.3174



83.7179, 0.2910, 0.3042



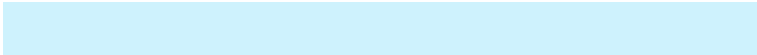
83.7179, 0.3422, 0.3395



83.7179, 0.3346, 0.3543

Sweetspot

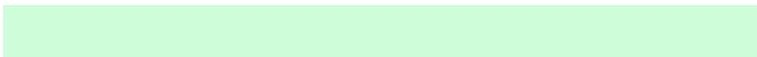
The Sweet Spot groups the original color and five complimentary colors.



83.7213, 0.2841, 0.3174



94.9544, 0.3034, 0.3255



88.3627, 0.3042, 0.3677



20.2101, 0.3024, 0.3251



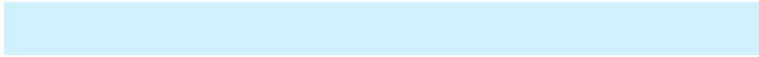
0.0000, 0.0000, 0.0000



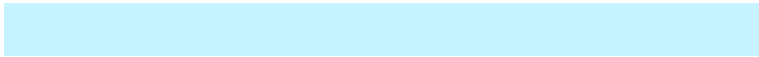
21.4041, 0.3127, 0.3290

Same Dimension

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



83.7213, 0.2841, 0.3174



82.7932, 0.2789, 0.3150



70.6377, 0.2827, 0.2919



19.7200, 0.2980, 0.3233



24.5131, 0.2032, 0.2516



2.5526, 0.2060, 0.2614

Inverse Universe

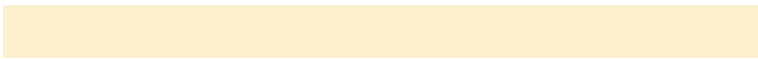
The Inverse Universe completely reimagines the original color for something new.



71.4401, 0.3225, 0.2932



68.4656, 0.3247, 0.2863



87.9178, 0.3429, 0.3635



18.2235, 0.3174, 0.3110



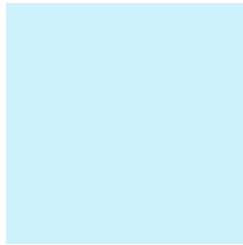
13.2026, 0.3907, 0.1926



1.3022, 0.3810, 0.1873

Previews

White Background



This preview shows how the Yxy color 83.7179, 0.2841, 0.3174 looks on a white background.

Color Contrast Check

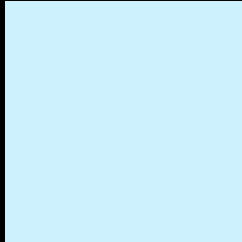
Large Text (above 18pt) WCAG AA × Fail

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 83.7179, 0.2841, 0.3174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

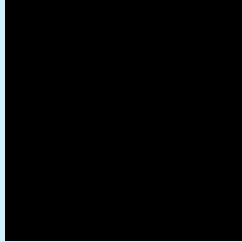
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.7179, 0.2841, 0.3174

Background



This preview shows how black text looks on a background with the Yxy color 83.7179, 0.2841, 0.3174.



This preview shows how white text looks on a background with the Yxy color 83.7179, 0.2841, 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

83.7179, 0.2841, 0.3174

Protanopia

83.4558, 0.3054, 0.3149

Deuteranopia

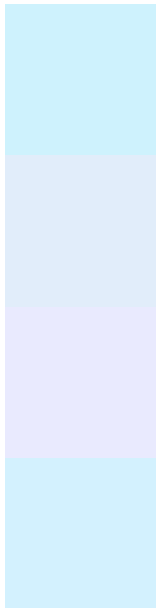
83.2151, 0.3092, 0.3035



Tritanopia

83.8363, 0.2876, 0.3134

Trichromacy



Original Color

83.7179, 0.2841, 0.3174

Protanomaly

83.4781, 0.2971, 0.3156

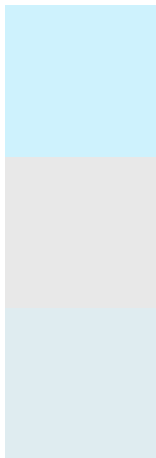
Deuteranomaly

83.3250, 0.2999, 0.3088

Tritanomaly

83.9152, 0.2864, 0.3154

Monochromacy



Original Color

83.7179, 0.2841, 0.3174

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.9702, 0.3018, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.7179, 0.2841, 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(206, 242, 253)` looks like.

```
.text, #text, p{  
    color:rgb(206, 242, 253)  
}
```

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, 242, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 242, 253) }
```

Border

The CSS property to change the border of an element to Yxy 83.7179, 0.2841, 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(206, 242, 253) }
```

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

```
.border{ border-color:rgb(206, 242, 253) }
```

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

Here you see how a box with a 4 pixel rgb(206, 242, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 242, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 242, 253);  
box-shadow:4px 4px 4px 4px rgb(206, 242,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 83.7179, 0.2841, 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(206, 242, 253) }
```

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

```
.background{ background-color: rgb(206,  
242, 253) }
```

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