

Converting Colors

$Yxy(84.5976, 0.2886, 0.3218)$

Have a look what the booklet for
Yxy(84.5976, 0.2886, 0.3218)
contains.

Yxy(84.7049, 0.2881, 0.3216)	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(84.7049, 0.2881, 0.3216)

Conversions

Conversions Part 1

Format	Color
Hex	D2F3FA
RGB	210, 243, 250
RGB Percent	82%, 95%, 98%
CMY	0.1765, 0.0470, 0.0196
CMYK	0.16, 0.03, 0.00, 0.02
HSL	190°, 80%, 90%
HSV	190°, 16%, 98%
XYZ	75.8815, 84.7049, 102.7995
YIQ	233.9310, -21.9150, -4.8190

Conversions

Conversions Part 2

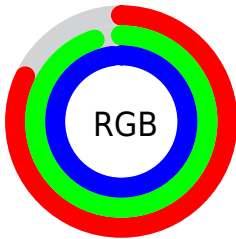
Format	Color
R _Y B	210, 228, 250
Decimal	13825018
CIE Lab	93.76, -9.24, -6.97
CIE LCh	94, 11.577, 217.013
Yxy	84.7049, 0.2881, 0.3216
Android (android.graphics.Color)	4292015098 (0xFFD2F3FA)
YUV	233.9310, 7.9220, -20.9875
Hunter-Lab	92.0353, -13.8916, -1.7997

Details

The Yxy color **84.7049, 0.2881, 0.3216** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.5966, 0.3420, 0.3363**, and the grayscale version is **82.1763, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.4043, 0.2824, 0.3194** is the 20% darker color. If you saturate the color by 10%, you get **78.7347, 0.2734, 0.3164**, and if you desaturate by 10%, it is **91.3177, 0.3034, 0.3264**.

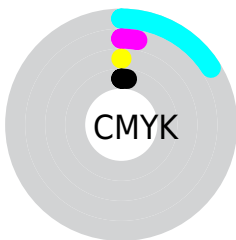
Distribution



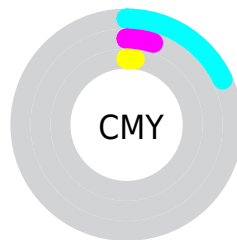
- Red (82%)
- Green (95%)
- Blue (98%)



- Red (82%)
- Yellow (89%)
- Blue (98%)



- Cyan (16%)
- Magenta (3%)
- Yellow (0%)
- Black (2%)



- Cyan (18%)
- Magenta (5%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.7049, 0.2881, 0.3216 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 84.7049, 0.2881, 0.3216 by changing the saturation by 10% instead.

84.7049, 0.2881,
0.3216

84.7049, 0.2881,
0.3216

510.6511, 0.2991,
0.3250

63.5976, 0.2857,
0.3208

139.9608, 0.2918,
0.3228

46.3248, 0.2827,
0.3198

174.8782, 0.2933,
0.3233

32.5022, 0.2790,
0.3186

215.1677, 0.2946,
0.3237

21.7454, 0.2743,
0.3170

261.2137, 0.2957,
0.3240

13.6699, 0.2681,
0.3148

313.4007, 0.2967,
0.3243

7.8915, 0.2595,
0.3116

372.1130, 0.2976,

4.0256, 0.2468,

0.3246

0.3067

437.7350, 0.2984,
0.3248

1.6879, 0.2264,
0.2981

0.4158, 0.1111,
0.2726

84.7049, 0.2881,
0.3216

84.7049, 0.2881,
0.3216

78.7347, 0.2734,
0.3164

91.3177, 0.3034,
0.3264

73.3695, 0.2595,
0.3109

97.6297, 0.3158,
0.3307

68.5839, 0.2469,
0.3050

99.6827, 0.3156,
0.3338

64.3462, 0.2357,
0.2989

■ 60.6212, 0.2263,
0.2926

■ 57.3695, 0.2189,
0.2862

■ 54.5449, 0.2134,
0.2798

■ 52.0900, 0.2097,
0.2735

■ 51.1791, 0.2086,
0.2710

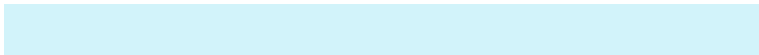
Harmonies

Analogous

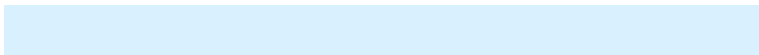
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.7049, 0.2947, 0.3337



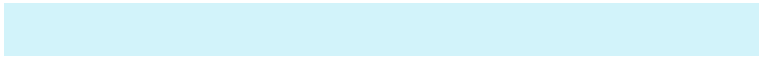
84.7049, 0.2881, 0.3216



84.7049, 0.2880, 0.3118

Triad

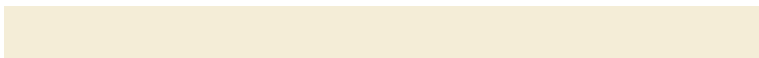
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.7049, 0.2881, 0.3216



84.7049, 0.3191, 0.3140



84.7049, 0.3312, 0.3516

Complementary

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



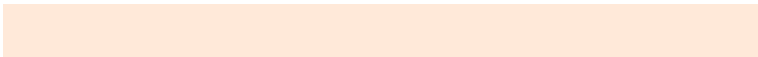
84.7049, 0.2881, 0.3216



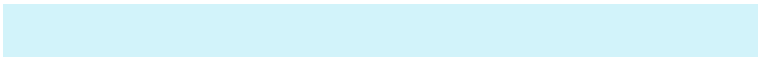
74.5966, 0.3420, 0.3363

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.



84.7049, 0.3381, 0.3457



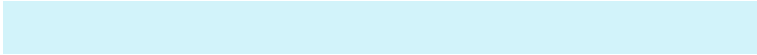
84.7049, 0.2881, 0.3216



84.7049, 0.3310, 0.3240

Square

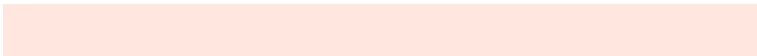
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



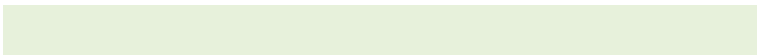
84.7049, 0.2881, 0.3216



84.7049, 0.3056, 0.3077



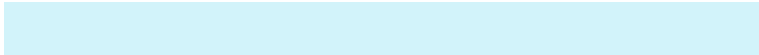
84.7049, 0.3380, 0.3355



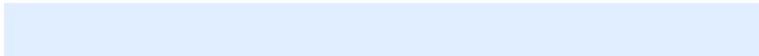
84.7049, 0.3194, 0.3514

Rectangle

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



84.7049, 0.2881, 0.3216



84.7049, 0.2915, 0.3079



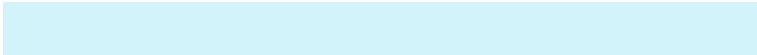
84.7049, 0.3380, 0.3355



84.7049, 0.3342, 0.3502

Sweetspot

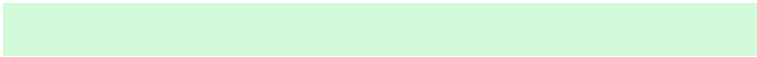
The Sweet Spot groups the original color and five complimentary colors.



84.7084, 0.2881, 0.3216



96.2468, 0.3049, 0.3268



87.0685, 0.3069, 0.3648



20.4909, 0.3039, 0.3265



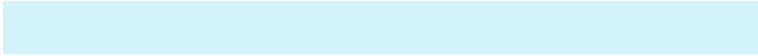
0.0000, 0.0000, 0.0000



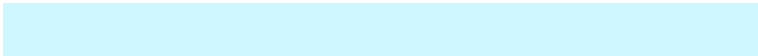
21.4041, 0.3127, 0.3290

Same Dimension

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



84.7084, 0.2881, 0.3216



86.6521, 0.2836, 0.3201



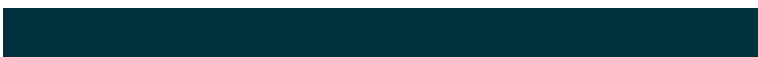
73.5520, 0.2872, 0.3005



19.0616, 0.2980, 0.3247



27.3349, 0.2089, 0.2721



2.6628, 0.2110, 0.2796

Inverse Universe

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



72.8829, 0.3194, 0.2960



72.3540, 0.3208, 0.2896



85.3545, 0.3389, 0.3560



17.4694, 0.3165, 0.3096



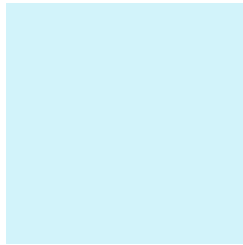
13.1704, 0.3709, 0.1817



1.2330, 0.3638, 0.1778

Previews

White Background



This preview shows how the Yxy color 84.7049, 0.2881, 0.3216 looks on a white background.

Color Contrast Check

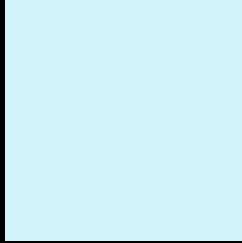
Large Text (above 18pt) WCAG AA × Fail

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 84.7049, 0.2881, 0.3216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

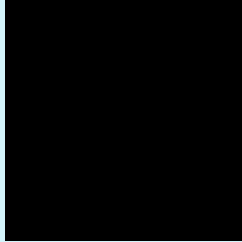
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.7049, 0.2881, 0.3216

Background



This preview shows how black text looks on a background with the Yxy color 84.7049, 0.2881, 0.3216.

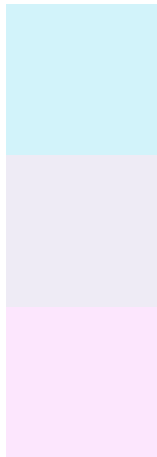


This preview shows how white text looks on a background with the Yxy color 84.7049, 0.2881, 0.3216.

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

84.7049, 0.2881, 0.3216

Protanopia

84.1864, 0.3085, 0.3189

Deuteranopia

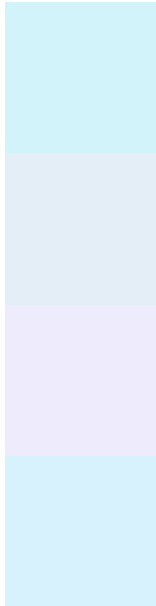
84.3809, 0.3131, 0.3066



Tritanopia

84.4456, 0.2900, 0.3135

Trichromacy



Original Color

84.7049, 0.2881, 0.3216

Protanomaly

84.3585, 0.3008, 0.3198

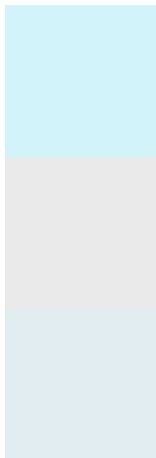
Deuteranomaly

84.4495, 0.3037, 0.3119

Tritanomaly

84.4495, 0.2894, 0.3165

Monochromacy



Original Color

84.7049, 0.2881, 0.3216

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.8672, 0.3030, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.7049, 0.2881, 0.3216 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(210, 243, 250)` looks like.

```
.text, #text, p{  
    color:rgb(210, 243, 250)  
}
```

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(210, 243, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 243, 250) }
```

Border

The CSS property to change the border of an element to Yxy 84.7049, 0.2881, 0.3216 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(210, 243, 250) }
```

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

```
.border{ border-color:rgb(210, 243, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 243, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 243, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 243, 250);  
box-shadow:4px 4px 4px 4px rgb(210, 243,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 84.7049, 0.2881, 0.3216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 243, 250) }
```

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

```
.background{ background-color: rgb(210,  
243, 250) }
```

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