

Converting Colors

Yxy(84.5157, 0.2824, 0.3340)

Have a look what the booklet for
Yxy(84.5157, 0.2824, 0.3340)
contains.

Yxy(84.3300, 0.2823, 0.3332)	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(84.3300, 0.2823, 0.3332)

Conversions

Conversions Part 1

Format	Color
Hex	C1F7F3
RGB	193, 247, 243
RGB Percent	76%, 97%, 95%
CMY	0.2428, 0.0314, 0.0470
CMYK	0.22, 0.00, 0.02, 0.03
HSL	176°, 77%, 86%
HSV	176°, 22%, 97%
XYZ	71.4477, 84.3300, 97.3136
YIQ	230.3980, -30.9000, -12.6920

Conversions

Conversions Part 2

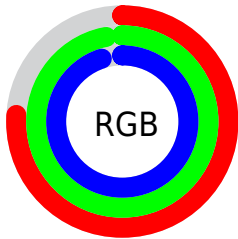
Format	Color
R _Y B	193, 221, 247
Decimal	12711923
CIE Lab	93.59, -17.76, -3.69
CIE LCh	94, 18.142, 191.752
Yxy	84.3300, 0.2823, 0.3332
Android (android.graphics.Color)	4290902003 (0xFFC1F7F3)
YUV	230.3980, 6.2128, -32.7980
Hunter-Lab	91.8314, -21.8263, 1.4524

Details

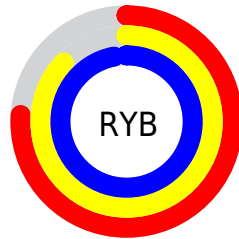
The Yxy color **84.3300, 0.2823, 0.3332** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.9834, 0.3540, 0.3249**, and the grayscale version is **79.4249, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0640, 0.3096, 0.3290**, and **46.2527, 0.2754, 0.3345** is the 20% darker color. If you saturate the color by 10%, you get **81.2426, 0.2700, 0.3354**, and if you desaturate by 10%, it is **87.9675, 0.2958, 0.3312**.

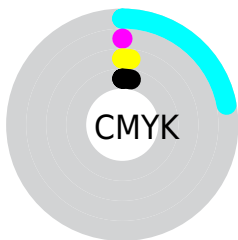
Distribution



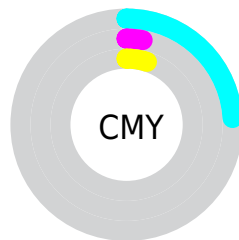
- Red (76%)
- Green (97%)
- Blue (95%)



- Red (76%)
- Yellow (87%)
- Blue (97%)



- Cyan (22%)
- Magenta (0%)
- Yellow (2%)
- Black (3%)





- Cyan (24%)
- Magenta (3%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.3300, 0.2823, 0.3332 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 84.3300, 0.2823, 0.3332 by changing the saturation by 10% instead.


 84.3300, 0.2823,
0.3332

 84.3300, 0.2823,
0.3332

509.4084, 0.2959,
0.3314

 63.2879, 0.2793,
0.3336

 139.4367, 0.2869,
0.3326

 46.0742, 0.2756,
0.3340


174.2701, 0.2888,
0.3324

 32.3044, 0.2711,
0.3345

214.4694, 0.2904,
0.3322

 21.5941, 0.2652,
0.3351

260.4191, 0.2917,
0.3320

 13.5589, 0.2575,
0.3359

312.5034, 0.2930,
0.3318

 7.8146, 0.2468,
0.3368


371.1068, 0.2941,


 3.9765, 0.2310,


0.3317


0.3380


436.6137, 0.2950,
0.3316


 1.6604, 0.2055,
0.3391


 0.3978, 0.0000,
0.3652


 84.3300, 0.2823,
0.3332

 84.3300, 0.2823,
0.3332

 81.2426, 0.2700,
0.3354


 87.9675, 0.2958,
0.3312


 78.6681, 0.2590,
0.3377


 92.1698, 0.3100,
0.3293

 76.5807, 0.2497,
0.3401


 94.5798, 0.3170,
0.3276


 74.9484, 0.2423,
0.3426


 94.6937, 0.3159,
0.3258


 73.7351, 0.2368,
0.3451


 94.8087, 0.3148,
0.3241

 72.8995, 0.2332,
0.3476

 94.9248, 0.3137,
0.3224

 72.3918, 0.2315,
0.3501

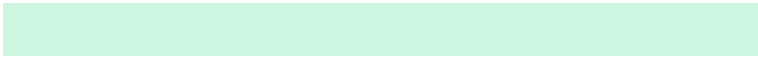
 94.9930, 0.3131,
0.3214

 72.1575, 0.2312,
0.3521

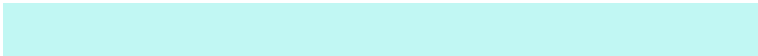
Harmonies

Analogous

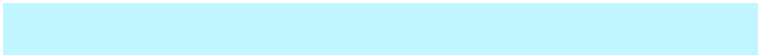
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.3300, 0.2990, 0.3516



84.3300, 0.2823, 0.3332



84.3300, 0.2737, 0.3142

Triad

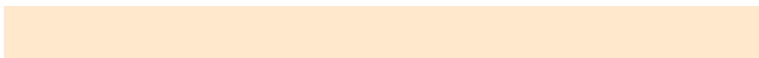
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.3300, 0.2823, 0.3332



84.3300, 0.3047, 0.2972



84.3300, 0.3515, 0.3568

Complementary

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



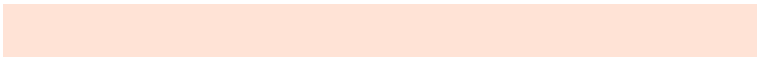
84.3300, 0.2823, 0.3332



61.9834, 0.3540, 0.3249

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.



84.3300, 0.3534, 0.3416



84.3300, 0.2823, 0.3332



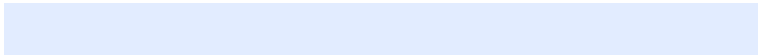
84.3300, 0.3258, 0.3079

Square

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



84.3300, 0.2823, 0.3332



84.3300, 0.2863, 0.2942



84.3300, 0.3438, 0.3238



84.3300, 0.3390, 0.3652

Rectangle

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



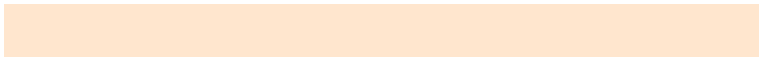
84.3300, 0.2823, 0.3332



84.3300, 0.2735, 0.3041



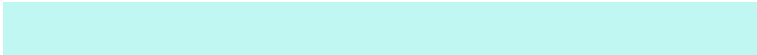
84.3300, 0.3438, 0.3238



84.3300, 0.3534, 0.3523

Sweetspot

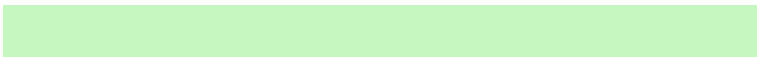
The Sweet Spot groups the original color and five complimentary colors.



84.3335, 0.2823, 0.3332



96.6859, 0.3026, 0.3303



82.3155, 0.3127, 0.3896



20.6367, 0.3017, 0.3304



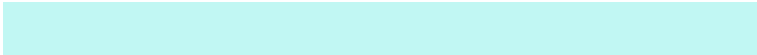
0.0000, 0.0000, 0.0000



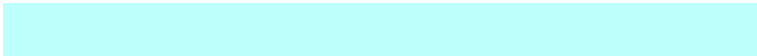
21.4041, 0.3127, 0.3290

Same Dimension

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



84.3335, 0.2823, 0.3332



89.2096, 0.2769, 0.3341



71.6586, 0.2784, 0.3041



18.7355, 0.2990, 0.3307



38.1759, 0.2310, 0.3517



3.3615, 0.2302, 0.3486

Inverse Universe

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



61.9834, 0.3540, 0.3249



61.4028, 0.3645, 0.3241



72.5042, 0.3523, 0.3526



16.5023, 0.3282, 0.3273



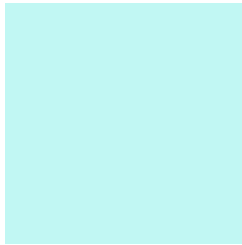
10.4889, 0.6322, 0.3256



0.9286, 0.6138, 0.3155

Previews

White Background



This preview shows how the Yxy color 84.3300, 0.2823, 0.3332 looks on a white background.

Color Contrast Check

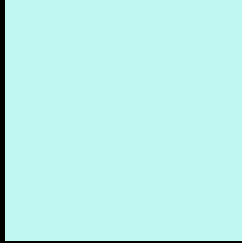
Large Text (above 18pt) WCAG AA × Fail

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 84.3300, 0.2823, 0.3332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

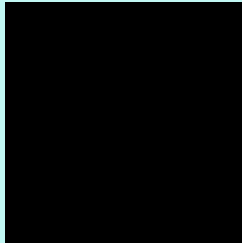
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

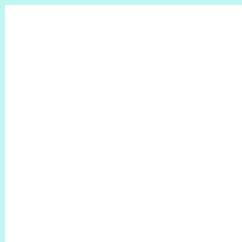
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.3300, 0.2823, 0.3332

Background



This preview shows how black text looks on a background with the Yxy color 84.3300, 0.2823, 0.3332.

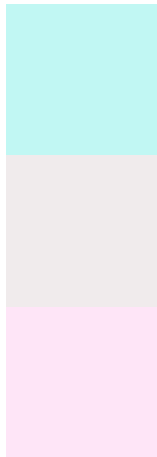


This preview shows how white text looks on a background with the Yxy color 84.3300, 0.2823, 0.3332.

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

84.3300, 0.2823, 0.3332

Protanopia

83.9981, 0.3154, 0.3280

Deuteranopia

83.8249, 0.3183, 0.3114



Tritanopia

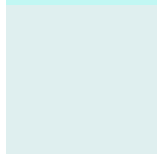
83.9795, 0.2859, 0.3144

Trichromacy



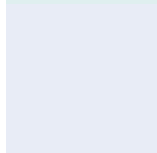
Original Color

84.3300, 0.2823, 0.3332



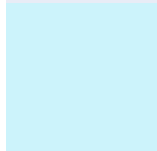
Protanomaly

83.6530, 0.3023, 0.3290



Deuteranomaly

83.8005, 0.3040, 0.3188



Tritanomaly

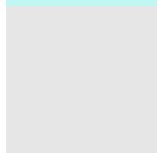
83.9036, 0.2840, 0.3205

Monochromacy



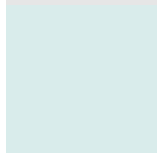
Original Color

84.3300, 0.2823, 0.3332



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

80.7408, 0.3009, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.3300, 0.2823, 0.3332 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(193, 247, 243)` looks like.

```
.text, #text, p{  
    color:rgb(193, 247, 243)  
}
```

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(193, 247, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 247, 243) }
```

Border

The CSS property to change the border of an element to Yxy 84.3300, 0.2823, 0.3332 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(193, 247, 243) }
```

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

```
.border{ border-color:rgb(193, 247, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 247, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 247, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 247, 243);  
box-shadow:4px 4px 4px 4px rgb(193, 247,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 84.3300, 0.2823, 0.3332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 247, 243) }
```

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

```
.background{ background-color: rgb(193,  
247, 243) }
```

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