

Converting Colors

$Yxy(87.6183, 0.2822, 0.3380)$

Have a look what the booklet for
Yxy(87.6183, 0.2822, 0.3380)
contains.

Yxy(87.4899, 0.2821, 0.3375)	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(87.4899, 0.2821, 0.3375)

Conversions

Conversions Part 1

Format	Color
Hex	C1FCF4
RGB	193, 252, 244
RGB Percent	76%, 99%, 96%
CMY	0.2432, 0.0117, 0.0432
CMYK	0.23, 0.00, 0.03, 0.01
HSL	172°, 91%, 87%
HSV	172°, 23%, 99%
XYZ	73.1286, 87.4899, 98.6108
YIQ	233.4470, -32.5960, -14.9960

Conversions

Conversions Part 2

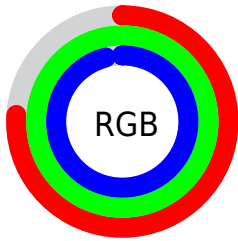
Format	Color
RYB	193, 225, 252
Decimal	12713204
CIELab	94.95, -20.05, -2.22
CIELCh	95, 20.174, 186.306
Yxy	87.4899, 0.2821, 0.3375
Android (android.graphics.Color)	4290903284 (0xFFC1FCF4)
YUV	233.4470, 5.2026, -35.4720
Hunter-Lab	93.5360, -24.1327, 2.9684

Details

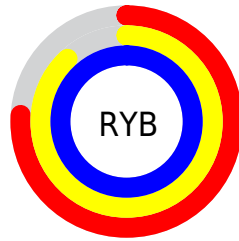
The Yxy color **87.4899, 0.2821, 0.3375** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.0517, 0.3549, 0.3208**, and the grayscale version is **81.8189, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0640, 0.3096, 0.3290**, and **48.0643, 0.2753, 0.3386** is the 20% darker color. If you saturate the color by 10%, you get **84.2529, 0.2706, 0.3416**, and if you desaturate by 10%, it is **91.3022, 0.2947, 0.3337**.

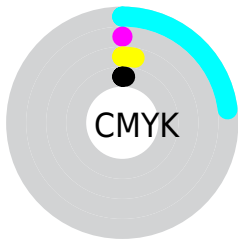
Distribution



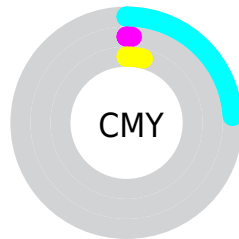
- Red (76%)
- Green (99%)
- Blue (96%)



- Red (76%)
- Yellow (88%)
- Blue (99%)



- Cyan (23%)
- Magenta (0%)
- Yellow (3%)
- Black (1%)





- Cyan (24%)
- Magenta (1%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.4899, 0.2821, 0.3375 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 87.4899, 0.2821, 0.3375 by changing the saturation by 10% instead.


 87.4899, 0.2821,
0.3375

 87.4899, 0.2821,
0.3375

519.8313, 0.2957,
0.3338

 65.9007, 0.2791,
0.3383

 143.8468, 0.2867,
0.3363

 48.1918, 0.2755,
0.3393

179.3833, 0.2886,
0.3358

 33.9788, 0.2709,
0.3404


220.3376, 0.2902,
0.3353

 22.8773, 0.2652,
0.3419

267.0942, 0.2915,
0.3349

 14.5029, 0.2576,
0.3439

320.0375, 0.2928,
0.3346

 8.4713, 0.2471,
0.3464

379.5519, 0.2939,

 4.3980, 0.2317,

0.3343

0.3501

446.0217, 0.2949,
0.3340

1.8986, 0.2072,
0.3555

0.5475, 0.0232,
0.4118

87.4899, 0.2821,
0.3375

87.4899, 0.2821,
0.3375

84.2529, 0.2706,
0.3416

91.3022, 0.2947,
0.3337

81.5518, 0.2604,
0.3461

95.7058, 0.3080,
0.3301

79.3591, 0.2519,
0.3507

98.0584, 0.3133,
0.3269

77.6406, 0.2452,
0.3554

98.1059, 0.3128,
0.3262

■ 76.3575, 0.2405,
0.3602

■ 75.4653, 0.2377,
0.3651

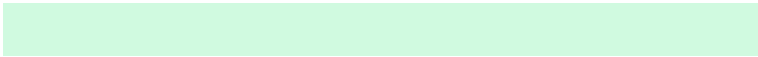
■ 74.9096, 0.2368,
0.3699

■ 74.6755, 0.2370,
0.3730

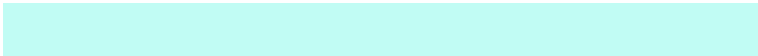
Harmonies

Analogous

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



87.4899, 0.3015, 0.3571



87.4899, 0.2821, 0.3375



87.4899, 0.2709, 0.3162

Triad

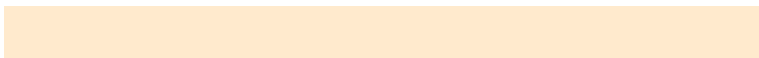
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.4899, 0.2821, 0.3375



87.4899, 0.2998, 0.2929



87.4899, 0.3567, 0.3568

Complementary

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



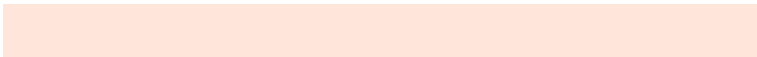
87.4899, 0.2821, 0.3375



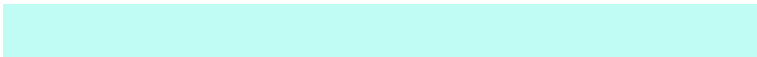
63.0517, 0.3549, 0.3208

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.



87.4899, 0.3564, 0.3392



87.4899, 0.2821, 0.3375



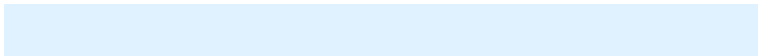
87.4899, 0.3229, 0.3032

Square

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



87.4899, 0.2821, 0.3375



87.4899, 0.2808, 0.2914



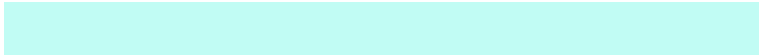
87.4899, 0.3439, 0.3198



87.4899, 0.3448, 0.3679

Rectangle

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



87.4899, 0.2821, 0.3375



87.4899, 0.2694, 0.3043



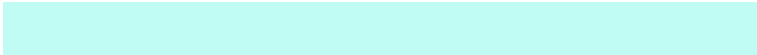
87.4899, 0.3439, 0.3198



87.4899, 0.3580, 0.3514

Sweetspot

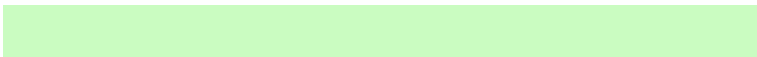
The Sweet Spot groups the original color and five complimentary colors.



87.4935, 0.2821, 0.3375



96.6151, 0.3032, 0.3314



86.0109, 0.3151, 0.3942



20.6202, 0.3024, 0.3316



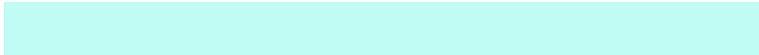
0.0000, 0.0000, 0.0000



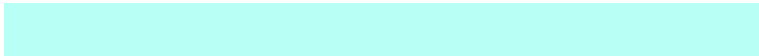
21.4041, 0.3127, 0.3290

Same Dimension

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



87.4935, 0.2821, 0.3375



88.2718, 0.2767, 0.3394



75.7150, 0.2762, 0.3064



19.5656, 0.2998, 0.3322



38.9127, 0.2367, 0.3722



3.6149, 0.2351, 0.3665

Inverse Universe

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



63.0517, 0.3549, 0.3208



59.2388, 0.3660, 0.3190



72.4624, 0.3566, 0.3505



17.2636, 0.3273, 0.3258



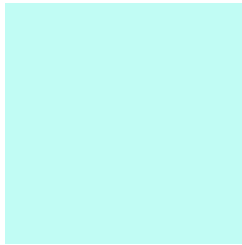
10.8535, 0.6225, 0.3203



1.0167, 0.5954, 0.3053

Previews

White Background



This preview shows how the Yxy color 87.4899, 0.2821, 0.3375 looks on a white background.

Color Contrast Check

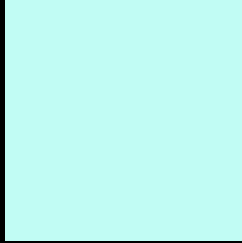
Large Text (above 18pt) WCAG AA × Fail

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 87.4899, 0.2821, 0.3375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

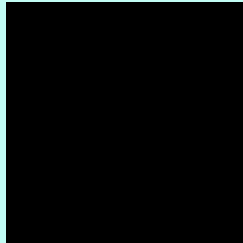
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.4899, 0.2821, 0.3375

Background



This preview shows how black text looks on a background with the Yxy color 87.4899, 0.2821, 0.3375.

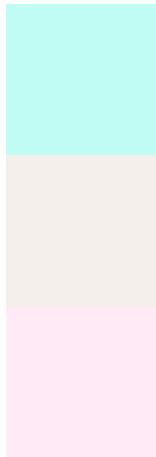


This preview shows how white text looks on a background with the Yxy color 87.4899, 0.2821, 0.3375.

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

87.4899, 0.2821, 0.3375

Protanopia

87.2016, 0.3185, 0.3320

Deuteranopia

86.7595, 0.3193, 0.3173



Tritanopia

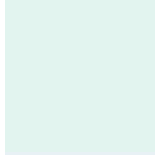
86.9814, 0.2908, 0.3177

Trichromacy



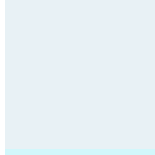
Original Color

87.4899, 0.2821, 0.3375



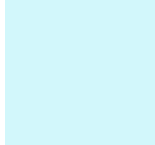
Protanomaly

87.1021, 0.3042, 0.3341



Deuteranomaly

86.6590, 0.3045, 0.3249



Tritanomaly

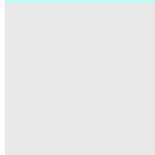
87.1882, 0.2878, 0.3248

Monochromacy



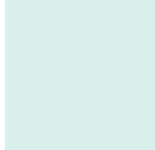
Original Color

87.4899, 0.2821, 0.3375



Achromatopsia

81.4847, 0.3127, 0.3290



Achromatomaly

83.3400, 0.3003, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.4899, 0.2821, 0.3375 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, 252, 244)` looks like.

```
.text, #text, p{  
    color:rgb(193, 252, 244)  
}
```

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, 252, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 252, 244) }
```

Border

The CSS property to change the border of an element to Yxy 87.4899, 0.2821, 0.3375 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, 252, 244) }
```

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

```
.border{ border-color:rgb(193, 252, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 252, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 252, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 252, 244);  
box-shadow:4px 4px 4px 4px rgb(193, 252,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 87.4899, 0.2821, 0.3375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 252, 244) }
```

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

```
.background{ background-color: rgb(193,  
252, 244) }
```

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