

Converting Colors

$Yxy(87.8029, 0.2811, 0.3342)$

Have a look what the booklet for
Yxy(87.8029, 0.2811, 0.3342)
contains.

Yxy(87.8055, 0.2811, 0.3342)	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(87.8055, 0.2811, 0.3342)

Conversions

Conversions Part 1

Format	Color
Hex	C2FCF7
RGB	194, 252, 247
RGB Percent	76%, 99%, 97%
CMY	0.2391, 0.0118, 0.0313
CMYK	0.23, 0.00, 0.02, 0.01
HSL	175°, 91%, 87%
HSV	175°, 23%, 99%
XYZ	73.8544, 87.8055, 101.0735
YIQ	234.0880, -32.9630, -13.8510

Conversions

Conversions Part 2

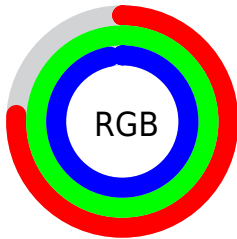
Format	Color
RYB	194, 224, 252
Decimal	12778743
CIELab	95.08, -19.12, -3.58
CIElCh	95, 19.449, 190.619
Yxy	87.8055, 0.2811, 0.3342
Android (android.graphics.Color)	4290968823 (0xFFC2FCF7)
YUV	234.0880, 6.3656, -35.1572
Hunter-Lab	93.7046, -23.2962, 1.6406

Details

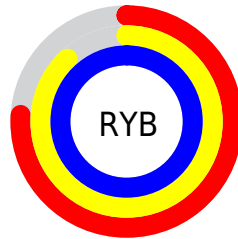
The Yxy color **87.8055, 0.2811, 0.3342** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.4122, 0.3563, 0.3239**, and the grayscale version is **82.3255, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.2492, 0.3102, 0.3290**, and **48.2808, 0.2741, 0.3344** is the 20% darker color. If you saturate the color by 10%, you get **84.6196, 0.2690, 0.3368**, and if you desaturate by 10%, it is **91.5655, 0.2943, 0.3318**.

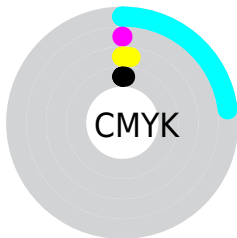
Distribution



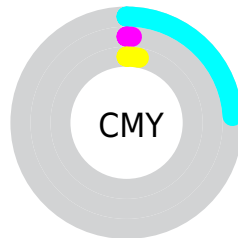
- Red (76%)
- Green (99%)
- Blue (97%)



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



- Cyan (23%)
- Magenta (0%)
- Yellow (2%)
- Black (1%)



- Cyan (24%)
- Magenta (1%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.8055, 0.2811, 0.3342 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 87.8055, 0.2811, 0.3342 by changing the saturation by 10% instead.

87.8055, 0.2811,
0.3342

87.8055, 0.2811,
0.3342

520.8661, 0.2951,
0.3320

66.1620, 0.2780,
0.3347

144.2863, 0.2859,
0.3335

48.4039, 0.2743,
0.3352

179.8925, 0.2878,
0.3332

34.1469, 0.2696,
0.3358

220.9216, 0.2894,
0.3329

23.0065, 0.2637,
0.3366

267.7581, 0.2908,
0.3327

14.5983, 0.2559,
0.3376

320.7864, 0.2921,
0.3325

8.5379, 0.2453,
0.3389


380.3909, 0.2932,


4.4410, 0.2297,


0.3323


0.3404


446.9560, 0.2942,
0.3322


 1.9232, 0.2050,
0.3423


 0.5623, 0.0454,
0.3766


 87.8055, 0.2811,
0.3342


 87.8055, 0.2811,
0.3342


 84.6196, 0.2690,
0.3368


 91.5655, 0.2943,
0.3318


 81.9685, 0.2584,
0.3395

 95.9153, 0.3084,
0.3296

 79.8248, 0.2494,
0.3423

 98.0037, 0.3137,
0.3276

 78.1543, 0.2422,
0.3452

 98.0994, 0.3128,
0.3261

■ 76.9188, 0.2371,
0.3482

■ 76.0739, 0.2338,
0.3511

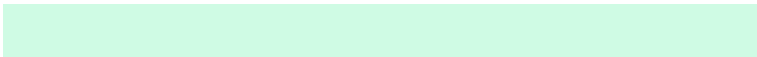
■ 75.5656, 0.2324,
0.3541

■ 75.3552, 0.2323,
0.3561

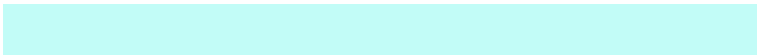
Harmonies

Analogous

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



87.8055, 0.2989, 0.3536



87.8055, 0.2811, 0.3342



87.8055, 0.2717, 0.3140

Triad

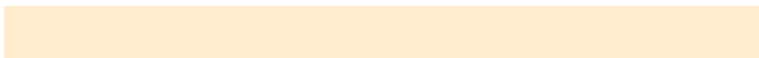
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.8055, 0.2811, 0.3342



87.8055, 0.3034, 0.2951



87.8055, 0.3541, 0.3579

Complementary

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



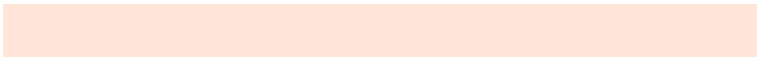
87.8055, 0.2811, 0.3342



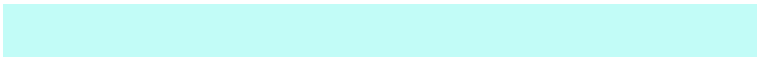
63.4122, 0.3563, 0.3239

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.



87.8055, 0.3556, 0.3415



87.8055, 0.2811, 0.3342



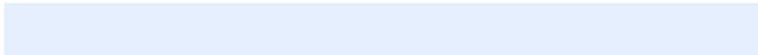
87.8055, 0.3257, 0.3061

Square

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



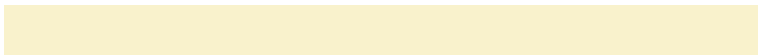
87.8055, 0.2811, 0.3342



87.8055, 0.2842, 0.2924



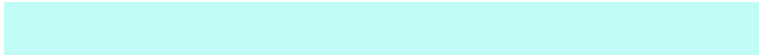
87.8055, 0.3451, 0.3228



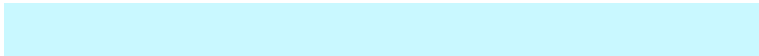
87.8055, 0.3412, 0.3672

Rectangle

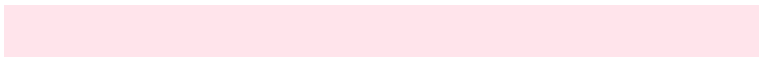
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



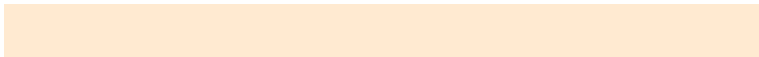
87.8055, 0.2811, 0.3342



87.8055, 0.2712, 0.3031



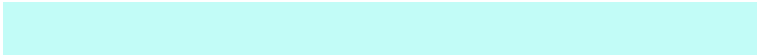
87.8055, 0.3451, 0.3228



87.8055, 0.3560, 0.3530

Sweetspot

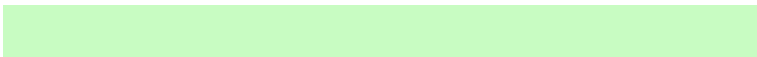
The Sweet Spot groups the original color and five complimentary colors.



87.8091, 0.2811, 0.3342



96.6722, 0.3027, 0.3305



85.7703, 0.3133, 0.3933



20.6335, 0.3018, 0.3306



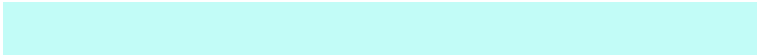
0.0000, 0.0000, 0.0000



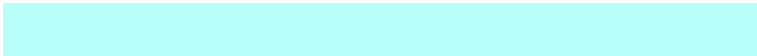
21.4041, 0.3127, 0.3290

Same Dimension

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



87.8091, 0.2811, 0.3342



88.4931, 0.2749, 0.3355



74.4330, 0.2766, 0.3037



19.5814, 0.2992, 0.3310



39.2651, 0.2321, 0.3556



3.6440, 0.2311, 0.3521

Inverse Universe

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



63.4122, 0.3563, 0.3239



59.0805, 0.3691, 0.3228



74.3268, 0.3551, 0.3530



17.2494, 0.3281, 0.3270



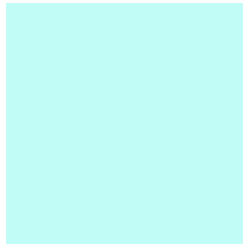
10.8184, 0.6308, 0.3248



1.0100, 0.6109, 0.3139

Previews

White Background



This preview shows how the Yxy color 87.8055, 0.2811, 0.3342 looks on a white background.

Color Contrast Check

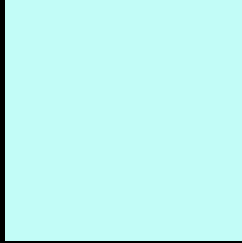
Large Text (above 18pt) WCAG AA × Fail

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 87.8055, 0.2811, 0.3342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

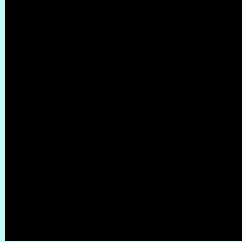
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.8055, 0.2811, 0.3342

Background



This preview shows how black text looks on a background with the Yxy color 87.8055, 0.2811, 0.3342.

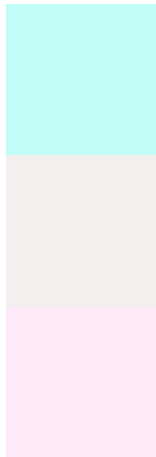


This preview shows how white text looks on a background with the Yxy color 87.8055, 0.2811, 0.3342.

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

87.8055, 0.2811, 0.3342

Protanopia

87.1981, 0.3160, 0.3290

Deuteranopia

86.9452, 0.3174, 0.3145



Tritanopia

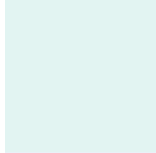
87.7405, 0.2914, 0.3187

Trichromacy



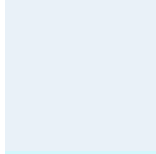
Original Color

87.8055, 0.2811, 0.3342



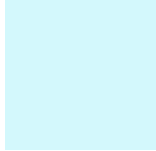
Protanomaly

87.2809, 0.3024, 0.3310



Deuteranomaly

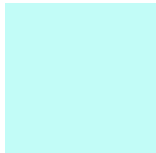
87.0115, 0.3034, 0.3219



Tritanomaly

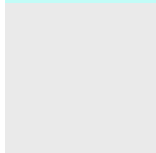
88.0120, 0.2878, 0.3248

Monochromacy



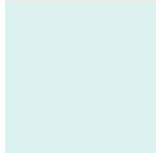
Original Color

87.8055, 0.2811, 0.3342



Achromatopsia

82.2786, 0.3127, 0.3290



Achromatomaly

84.2027, 0.2998, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.8055, 0.2811, 0.3342 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(194, 252, 247)` looks like.

```
.text, #text, p{  
    color:rgb(194, 252, 247)  
}
```

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(194, 252, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 252, 247) }
```

Border

The CSS property to change the border of an element to Yxy 87.8055, 0.2811, 0.3342 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(194, 252, 247) }
```

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

```
.border{ border-color:rgb(194, 252, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 252, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 252, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 252, 247);  
box-shadow:4px 4px 4px 4px rgb(194, 252,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 87.8055, 0.2811, 0.3342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 252, 247) }
```

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

```
.background{ background-color: rgb(194,  
252, 247) }
```

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