

Converting Colors

$Yxy(87.8543, 0.2857, 0.3552)$

Have a look what the booklet for
Yxy(87.8543, 0.2857, 0.3552)
contains.

Yxy(87.8543, 0.2857, 0.3552)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.8543, 0.2857, 0.3552)

Conversions

Conversions Part 1

Format	Color
Hex	BBFFE7
RGB	187, 255, 231
RGB Percent	73%, 100%, 91%
CMY	0.2669, 0.0000, 0.0942
CMYK	0.27, 0.00, 0.09, 0.00
HSL	159°, 100%, 87%
HSV	159°, 27%, 100%
XYZ	70.6643, 87.8543, 88.8189
YIQ	231.9320, -32.8240, -21.8800

Conversions

Conversions Part 2

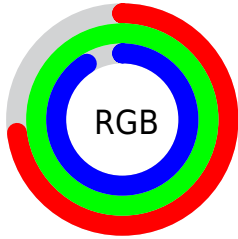
Format	Color
RYB	187, 228, 255
Decimal	12320743
CIELab	95.10, -25.92, 4.68
CIELCh	95, 26.339, 169.768
Yxy	87.8543, 0.2857, 0.3552
Android (android.graphics.Color)	4290510823 (0xFFBBFFE7)
YUV	231.9320, -0.4595, -39.4054
Hunter-Lab	93.7306, -29.4559, 9.4284

Details

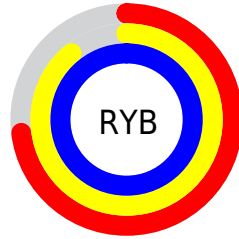
The Yxy color **87.8543, 0.2857, 0.3552** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.4782, 0.3503, 0.3044**, and the grayscale version is **80.6489, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **48.3888, 0.2800, 0.3618** is the 20% darker color. If you saturate the color by 10%, you get **84.4162, 0.2769, 0.3667**, and if you desaturate by 10%, it is **91.8733, 0.2954, 0.3446**.

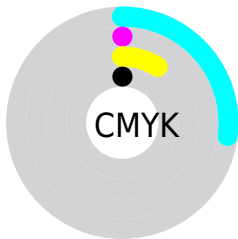
Distribution



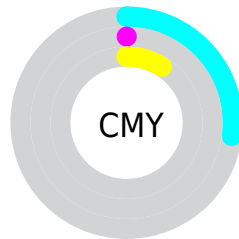
- Red (73%)
- Green (100%)
- Blue (91%)



- Red (73%)
- Yellow (89%)
- Blue (100%)



- Cyan (27%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (27%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.8543, 0.2857, 0.3552 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 87.8543, 0.2857, 0.3552 by changing the saturation by 10% instead.

 87.8543, 0.2857,
0.3552

 87.8543, 0.2857,
0.3552

521.0260, 0.2979,
0.3433

 66.2024, 0.2830,
0.3579


 144.3543, 0.2899,
0.3511

 48.4367, 0.2797,
0.3612


179.9712, 0.2915,
0.3495

 34.1729, 0.2756,
0.3653

221.0119, 0.2929,
0.3481

 23.0264, 0.2702,
0.3706

267.8607, 0.2942,
0.3469

 14.6130, 0.2632,
0.3778

320.9022, 0.2952,
0.3458

 8.5483, 0.2533,
0.3880

380.5206, 0.2962,

 4.4477, 0.2386,

0.3449

0.4035

447.1004, 0.2971,
0.3440

1.9270, 0.2144,
0.4298

0.5646, 0.0000,
0.6625

87.8543, 0.2857,
0.3552

87.8543, 0.2857,
0.3552

84.4162, 0.2769,
0.3667

91.8733, 0.2954,
0.3446

81.5527, 0.2692,
0.3792


96.5258, 0.3057,
0.3349


79.2223, 0.2631,
0.3922

100.0000, 0.3127,
0.3290

77.3880, 0.2588,
0.4058

 76.0078, 0.2565,
0.4196

 75.0328, 0.2562,
0.4334

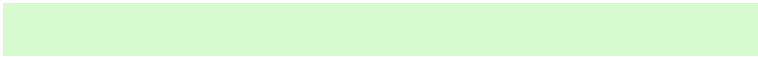
 74.4010, 0.2579,
0.4469

 74.2367, 0.2587,
0.4514

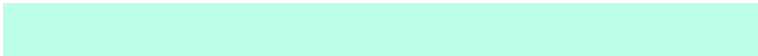
Harmonies

Analogous

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



87.8543, 0.3142, 0.3760



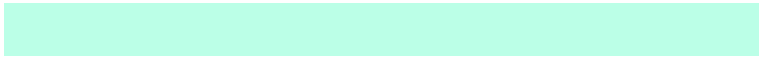
87.8543, 0.2857, 0.3552



87.8543, 0.2650, 0.3270

Triad

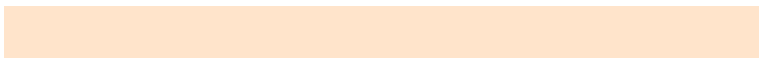
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.8543, 0.2857, 0.3552



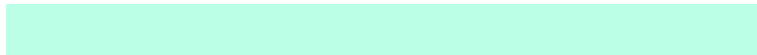
87.8543, 0.2811, 0.2799



87.8543, 0.3721, 0.3526

Complementary

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



87.8543, 0.2857, 0.3552



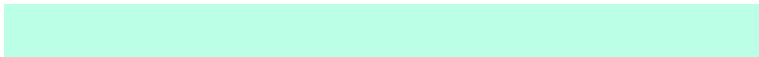
61.4782, 0.3503, 0.3044

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.



87.8543, 0.3626, 0.3279



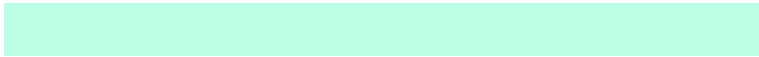
87.8543, 0.2857, 0.3552



87.8543, 0.3089, 0.2873

Square

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



87.8543, 0.2857, 0.3552



87.8543, 0.2625, 0.2844



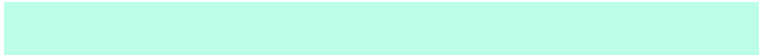
87.8543, 0.3390, 0.3045



87.8543, 0.3648, 0.3728

Rectangle

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



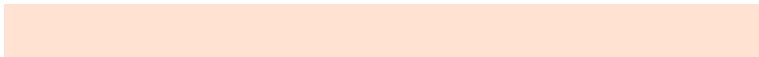
87.8543, 0.2857, 0.3552



87.8543, 0.2579, 0.3089



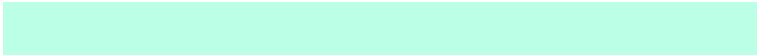
87.8543, 0.3390, 0.3045



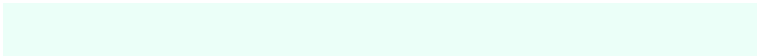
87.8543, 0.3708, 0.3446

Sweetspot

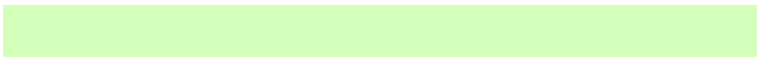
The Sweet Spot groups the original color and five complimentary colors.



87.8462, 0.2857, 0.3552



95.8791, 0.3043, 0.3361



89.0873, 0.3246, 0.4025



20.3662, 0.3027, 0.3375



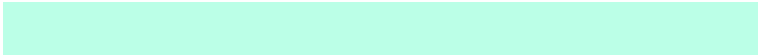
0.0000, 0.0000, 0.0000



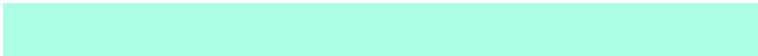
21.4041, 0.3127, 0.3290

Same Dimension

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



87.8462, 0.2857, 0.3552



85.9519, 0.2809, 0.3612



83.6442, 0.2727, 0.3191



20.3662, 0.3027, 0.3375



38.8197, 0.2581, 0.4491



3.8005, 0.2538, 0.4338

Inverse Universe

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



61.4782, 0.3503, 0.3044



55.5745, 0.3605, 0.2992



64.3335, 0.3682, 0.3386



18.0930, 0.3238, 0.3206



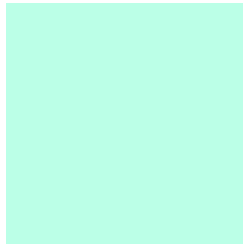
11.5201, 0.5572, 0.2843



1.1415, 0.5257, 0.2670

Previews

White Background



This preview shows how the Yxy color 87.8543, 0.2857, 0.3552 looks on a white background.

Color Contrast Check

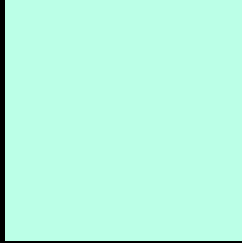
Large Text (above 18pt) WCAG AA × Fail

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 87.8543, 0.2857, 0.3552 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

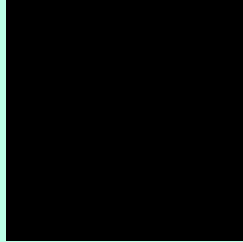
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.8543, 0.2857, 0.3552

Background



This preview shows how black text looks on a background with the Yxy color 87.8543, 0.2857, 0.3552.

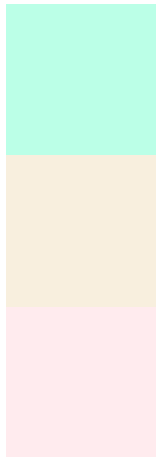


This preview shows how white text looks on a background with the Yxy color 87.8543, 0.2857, 0.3552.

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

87.8543, 0.2857, 0.3552

Protanopia

86.9634, 0.3294, 0.3461

Deuteranopia

86.8497, 0.3243, 0.3261



Tritanopia

87.5849, 0.2908, 0.3187

Trichromacy



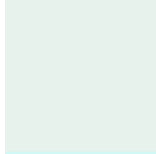
Original Color

87.8543, 0.2857, 0.3552



Protanomaly

86.9098, 0.3124, 0.3498



Deuteranomaly

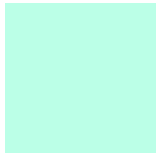
86.3254, 0.3091, 0.3362



Tritanomaly

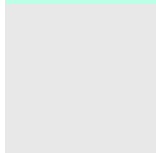
87.6706, 0.2888, 0.3321

Monochromacy



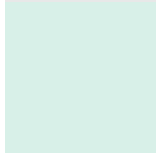
Original Color

87.8543, 0.2857, 0.3552



Achromatopsia

80.6952, 0.3127, 0.3290



Achromatomaly

82.7453, 0.3020, 0.3375

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.8543, 0.2857, 0.3552 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(187, 255, 231)` looks like.

```
.text, #text, p{  
    color:rgb(187, 255, 231)  
}
```

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(187, 255, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 255, 231) }
```

Border

The CSS property to change the border of an element to Yxy 87.8543, 0.2857, 0.3552 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(187, 255, 231) }
```

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

```
.border{ border-color:rgb(187, 255, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 255, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 255, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 255, 231);  
box-shadow:4px 4px 4px 4px rgb(187, 255,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 87.8543, 0.2857, 0.3552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 255, 231) }
```

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

```
.background{ background-color: rgb(187,  
255, 231) }
```

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