

Converting Colors

$Yxy(87.1047, 0.2921, 0.3641)$

Have a look what the booklet for
Yxy(87.1047, 0.2921, 0.3641)
contains.

Yxy(87.1047, 0.2921, 0.3641)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.1047, 0.2921, 0.3641)

Conversions

Conversions Part 1

Format	Color
Hex	BEFEDE
RGB	190, 254, 222
RGB Percent	75%, 100%, 87%
CMY	0.2545, 0.0040, 0.1293
CMYK	0.25, 0.00, 0.13, 0.00
HSL	150°, 97%, 87%
HSV	150°, 25%, 100%
XYZ	69.8799, 87.1047, 82.2483
YIQ	231.2160, -27.8720, -23.5200

Conversions

Conversions Part 2

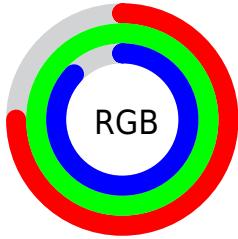
Format	Color
RYB	190, 233, 254
Decimal	12517086
CIELab	94.78, -26.24, 8.86
CIELCh	95, 27.692, 161.342
Yxy	87.1047, 0.2921, 0.3641
Android (android.graphics.Color)	4290707166 (0xFFBEFEDE)
YUV	231.2160, -4.5435, -36.1464
Hunter-Lab	93.3299, -29.6770, 13.0808

Details

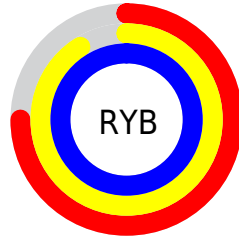
The Yxy color **87.1047, 0.2921, 0.3641** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **63.2113, 0.3400, 0.2964**, and the grayscale version is **80.1459, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5142, 0.3078, 0.3290**, and **47.8734, 0.2871, 0.3721** is the 20% darker color. If you saturate the color by 10%, you get **83.4598, 0.2848, 0.3807**, and if you desaturate by 10%, it is **91.3781, 0.3001, 0.3490**.

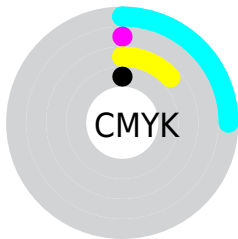
Distribution



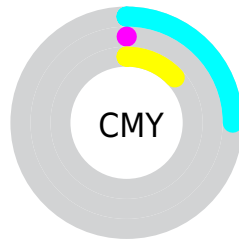
- Red (75%)
- Green (100%)
- Blue (87%)



- Red (75%)
- Yellow (91%)
- Blue (100%)



- Cyan (25%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (25%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.1047, 0.2921, 0.3641 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 87.1047, 0.2921, 0.3641 by changing the saturation by 10% instead.


 87.1047, 0.2921,
0.3641

 87.1047, 0.2921,
0.3641

518.5668, 0.3015,
0.3479

 65.5819, 0.2900,
0.3678


 143.3101, 0.2954,
0.3585

 47.9330, 0.2873,
0.3723


178.7614, 0.2966,
0.3563

 33.7739, 0.2840,
0.3780


219.6243, 0.2977,
0.3545

 22.7199, 0.2798,
0.3855

266.2832, 0.2987,
0.3528

 14.3868, 0.2740,
0.3956

319.1225, 0.2995,
0.3514

 8.3902, 0.2657,
0.4101

378.5267, 0.3003,

 4.3456, 0.2531,

0.3501

0.4325

444.8800, 0.3009,
0.3490

■ 1.8687, 0.2315,
0.4716

■ 0.5295, 0.0000,
1.0000

■ 87.1047, 0.2921,
0.3641

■ 87.1047, 0.2921,
0.3641

■ 83.4598, 0.2848,
0.3807

■ 91.3781, 0.3001,
0.3490

■ 80.4019, 0.2784,
0.3986

■ 96.2978, 0.3084,
0.3354

■ 77.9013, 0.2734,
0.4176

■ 99.3546, 0.3128,
0.3280

■ 75.9211, 0.2700,
0.4373

 74.4198, 0.2685,
0.4573

 73.3493, 0.2691,
0.4768

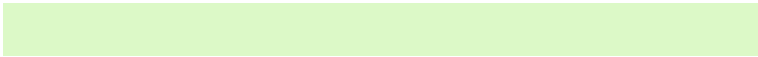
 72.6503, 0.2717,
0.4955

 72.4047, 0.2734,
0.5041

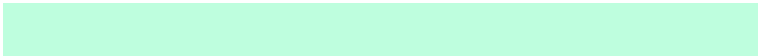
Harmonies

Analogous

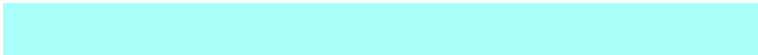
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.1047, 0.3232, 0.3823



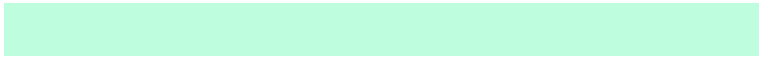
87.1047, 0.2921, 0.3641



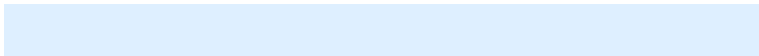
87.1047, 0.2674, 0.3353

Triad

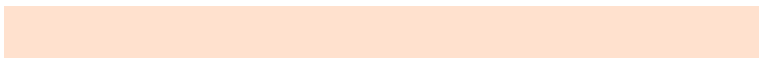
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.1047, 0.2921, 0.3641



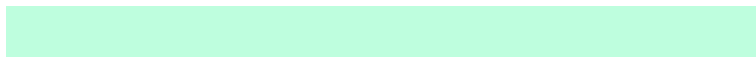
87.1047, 0.2727, 0.2773



87.1047, 0.3744, 0.3466

Complementary

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



87.1047, 0.2921, 0.3641



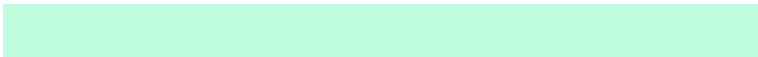
63.2113, 0.3400, 0.2964

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.



87.1047, 0.3596, 0.3205



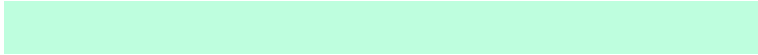
87.1047, 0.2921, 0.3641



87.1047, 0.2998, 0.2818

Square

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



87.1047, 0.2921, 0.3641



87.1047, 0.2567, 0.2857



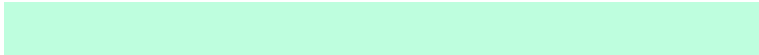
87.1047, 0.3318, 0.2973



87.1047, 0.3715, 0.3699

Rectangle

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



87.1047, 0.2921, 0.3641



87.1047, 0.2574, 0.3154



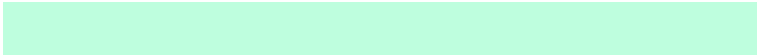
87.1047, 0.3318, 0.2973



87.1047, 0.3713, 0.3379

Sweetspot

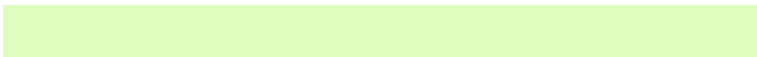
The Sweet Spot groups the original color and five complimentary colors.



87.1083, 0.2921, 0.3641



95.6941, 0.3060, 0.3391



90.3006, 0.3302, 0.3965



20.3196, 0.3047, 0.3411



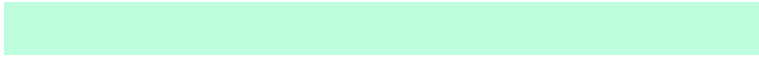
0.0000, 0.0000, 0.0000



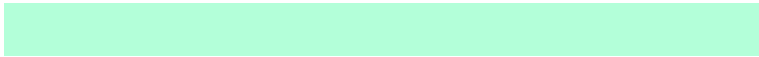
21.4041, 0.3127, 0.3290

Same Dimension

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



87.1083, 0.2921, 0.3641



86.0397, 0.2885, 0.3720



88.9202, 0.2762, 0.3300



20.3196, 0.3047, 0.3411



38.2073, 0.2726, 0.5012



3.7422, 0.2668, 0.4804

Inverse Universe

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



63.2113, 0.3400, 0.2964



58.2981, 0.3468, 0.2899



61.7027, 0.3654, 0.3280



18.1387, 0.3215, 0.3172



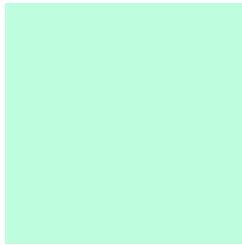
11.9476, 0.4963, 0.2508



1.1853, 0.4709, 0.2368

Previews

White Background



This preview shows how the Yxy color 87.1047, 0.2921, 0.3641 looks on a white background.

Color Contrast Check

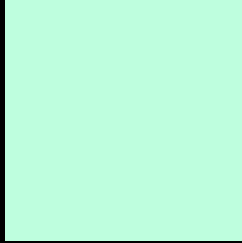
Large Text (above 18pt) WCAG AA × Fail

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 87.1047, 0.2921, 0.3641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

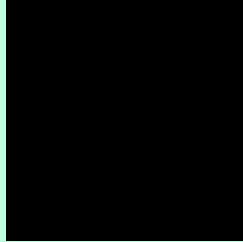
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

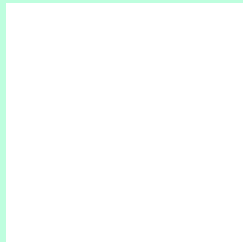
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.1047, 0.2921, 0.3641

Background



This preview shows how black text looks on a background with the Yxy color 87.1047, 0.2921, 0.3641.

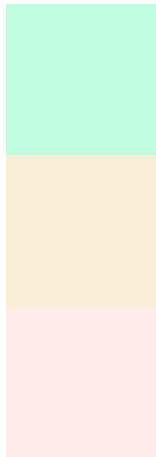


This preview shows how white text looks on a background with the Yxy color 87.1047, 0.2921, 0.3641.

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

87.1047, 0.2921, 0.3641

Protanopia

86.1438, 0.3354, 0.3533

Deuteranopia

86.5029, 0.3282, 0.3320



Tritanopia

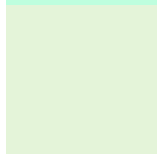
86.8268, 0.2902, 0.3177

Trichromacy



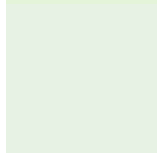
Original Color

87.1047, 0.2921, 0.3641



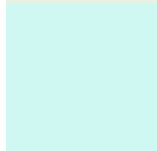
Protanomaly

86.2051, 0.3186, 0.3572



Deuteranomaly

86.0946, 0.3140, 0.3435



Tritanomaly

87.0158, 0.2910, 0.3342

Monochromacy



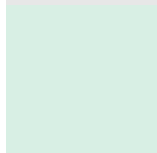
Original Color

87.1047, 0.2921, 0.3641



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

81.9334, 0.3043, 0.3407

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.1047, 0.2921, 0.3641 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(190, 254, 222)` looks like.

```
.text, #text, p{  
    color:rgb(190, 254, 222)  
}
```

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(190, 254, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 254, 222) }
```

Border

The CSS property to change the border of an element to Yxy 87.1047, 0.2921, 0.3641 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(190, 254, 222) }
```

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

```
.border{ border-color:rgb(190, 254, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 254, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 254, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 254, 222);  
box-shadow:4px 4px 4px 4px rgb(190, 254,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 87.1047, 0.2921, 0.3641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 254, 222) }
```

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

```
.background{ background-color: rgb(190,  
254, 222) }
```

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