

Converting Colors

$Yxy(87.6712, 0.2846, 0.3557)$

Have a look what the booklet for
Yxy(87.6712, 0.2846, 0.3557)
contains.

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Color

Yxy(87.6038, 0.2846, 0.3552)

Conversions

Conversions Part 1

Format	Color
Hex	B9FFE7
RGB	185, 255, 231
RGB Percent	73%, 100%, 91%
CMY	0.2746, 0.0000, 0.0940
CMYK	0.27, 0.00, 0.09, 0.00
HSL	159°, 100%, 86%
HSV	159°, 27%, 100%
XYZ	70.1916, 87.6038, 88.8370
YIQ	231.3340, -34.0160, -22.3040

Conversions

Conversions Part 2

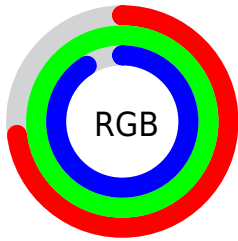
Format	Color
RYB	185, 227, 255
Decimal	12189671
CIELab	94.99, -26.48, 4.48
CIELCh	95, 26.854, 170.389
Yxy	87.6038, 0.2846, 0.3552
Android (android.graphics.Color)	4290379751 (0xFFB9FFE7)
YUV	231.3340, -0.1647, -40.6349
Hunter-Lab	93.5969, -29.9312, 9.2431

Details

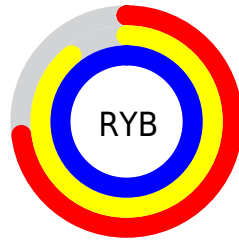
The Yxy color **87.6038, 0.2846, 0.3552** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **60.5508, 0.3523, 0.3044**, and the grayscale version is **80.1911, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6172, 0.3047, 0.3290**, and **48.2291, 0.2787, 0.3619** is the 20% darker color. If you saturate the color by 10%, you get **84.2308, 0.2757, 0.3665**, and if you desaturate by 10%, it is **91.5697, 0.2944, 0.3448**.

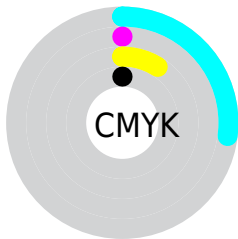
Distribution



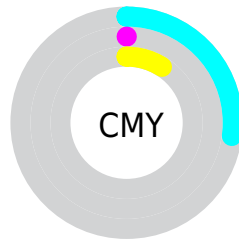
- Red (73%)
- Green (100%)
- Blue (91%)



- 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 87.6038, 0.2846, 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 87.6038, 0.2846, 0.3552 by changing the saturation by 10% instead.

 87.6038, 0.2846,
0.3552

 87.6038, 0.2846,
0.3552


520.2049, 0.2973,
0.3433

 65.9950, 0.2818,
0.3579


 144.0054, 0.2889,
0.3511

 48.2683, 0.2783,
0.3612


179.5671, 0.2906,
0.3495

 34.0394, 0.2740,
0.3653


220.5484, 0.2921,
0.3481

 22.9239, 0.2685,
0.3706

267.3339, 0.2934,
0.3469

 14.5373, 0.2612,
0.3778

320.3079, 0.2945,
0.3458

 8.4953, 0.2509,
0.3880

379.8548, 0.2955,

 4.4135, 0.2356,

0.3449

0.4035

446.3590, 0.2965,
0.3440

1.9075, 0.2105,
0.4297

0.5529, 0.0000,
0.6571

87.6038, 0.2846,
0.3552

87.6038, 0.2846,
0.3552

84.2308, 0.2757,
0.3665

91.5697, 0.2944,
0.3448


81.4205, 0.2681,
0.3785

96.1575, 0.3047,
0.3354


79.1392, 0.2620,
0.3912


100.0000, 0.3127,
0.3290

77.3495, 0.2578,
0.4044

 76.0091, 0.2555,
0.4177

 75.0683, 0.2553,
0.4311

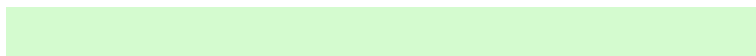
 74.4621, 0.2570,
0.4441

 74.3371, 0.2576,
0.4474

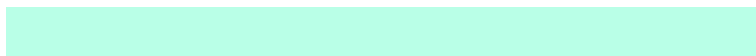
Harmonies

Analogous

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



87.6038, 0.3136, 0.3767



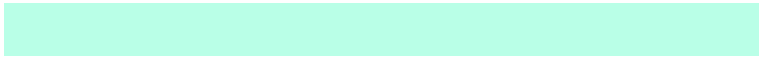
87.6038, 0.2846, 0.3552



87.6038, 0.2637, 0.3263

Triad

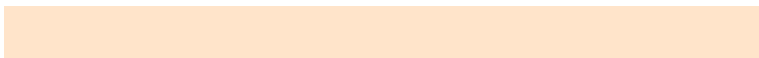
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.6038, 0.2846, 0.3552



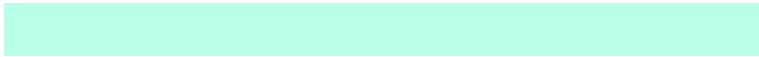
87.6038, 0.2810, 0.2790



87.6038, 0.3734, 0.3535

Complementary

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



87.6038, 0.2846, 0.3552



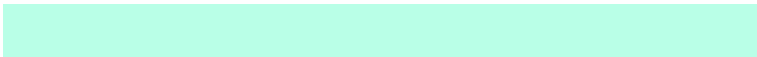
60.5508, 0.3523, 0.3044

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.



87.6038, 0.3640, 0.3284



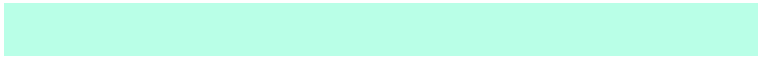
87.6038, 0.2846, 0.3552



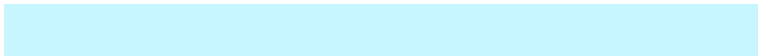
87.6038, 0.3095, 0.2868

Square

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



87.6038, 0.2846, 0.3552



87.6038, 0.2617, 0.2833



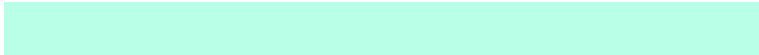
87.6038, 0.3402, 0.3045



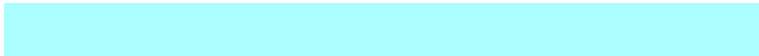
87.6038, 0.3655, 0.3740

Rectangle

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



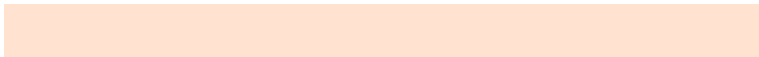
87.6038, 0.2846, 0.3552



87.6038, 0.2567, 0.3079



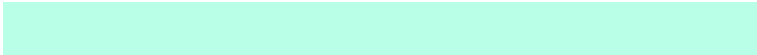
87.6038, 0.3402, 0.3045



87.6038, 0.3722, 0.3453

Sweetspot

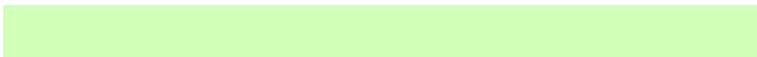
The Sweet Spot groups the original color and five complimentary colors.



87.6036, 0.2846, 0.3552



95.8926, 0.3042, 0.3359



88.6486, 0.3242, 0.4051



20.3696, 0.3026, 0.3373



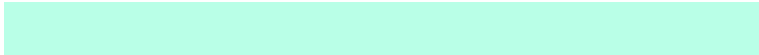
0.0000, 0.0000, 0.0000



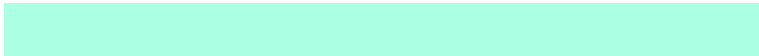
21.4041, 0.3127, 0.3290

Same Dimension

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



87.6036, 0.2846, 0.3552



85.6631, 0.2796, 0.3613



82.5330, 0.2715, 0.3175



20.3696, 0.3026, 0.3373



38.8719, 0.2570, 0.4453



3.8053, 0.2529, 0.4304

Inverse Universe

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



60.5508, 0.3523, 0.3044



54.4829, 0.3633, 0.2992



64.0095, 0.3699, 0.3401



18.0897, 0.3240, 0.3209



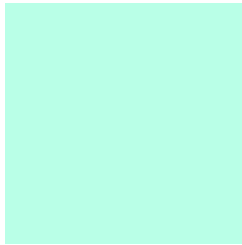
11.4957, 0.5613, 0.2866



1.1389, 0.5296, 0.2691

Previews

White Background



This preview shows how the Yxy color 87.6038, 0.2846, 0.3552 looks on a white background.

Color Contrast Check

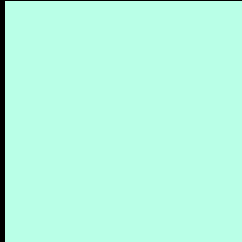
Large Text (above 18pt) WCAG AA × Fail

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 87.6038, 0.2846, 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

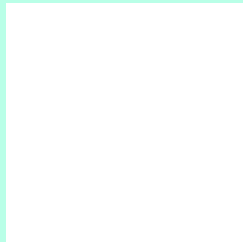
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.6038, 0.2846, 0.3552

Background



This preview shows how black text looks on a background with the Yxy color 87.6038, 0.2846, 0.3552.

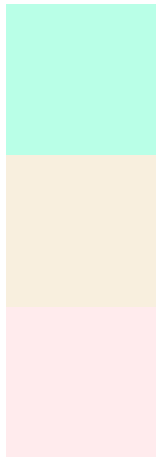


This preview shows how white text looks on a background with the Yxy color 87.6038, 0.2846, 0.3552.

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

87.6038, 0.2846, 0.3552

Protanopia

86.9634, 0.3294, 0.3461

Deuteranopia

86.7911, 0.3250, 0.3271



Tritanopia

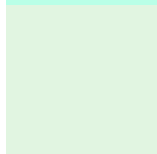
87.4302, 0.2902, 0.3187

Trichromacy



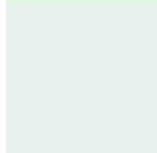
Original Color

87.6038, 0.2846, 0.3552



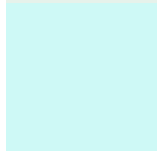
Protanomaly

86.7486, 0.3117, 0.3499



Deuteranomaly

86.3254, 0.3091, 0.3362



Tritanomaly

87.5270, 0.2882, 0.3321

Monochromacy



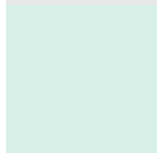
Original Color

87.6038, 0.2846, 0.3552



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.3858, 0.3013, 0.3386

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.6038, 0.2846, 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(185, 255, 231)` looks like.

```
.text, #text, p{  
    color:rgb(185, 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(185, 255, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 255, 231) }
```

Border

The CSS property to change the border of an element to Yxy 87.6038, 0.2846, 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(185, 255, 231) }
```

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

```
.border{ border-color:rgb(185, 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(185, 255, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 255, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 255, 231);  
box-shadow:4px 4px 4px 4px rgb(185, 255,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 87.6038, 0.2846, 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(185, 255, 231) }
```

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

```
.background{ background-color: rgb(185,  
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](#).

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