

Converting Colors

$Yxy(87.2705, 0.2877, 0.3620)$

Have a look what the booklet for
Yxy(87.2705, 0.2877, 0.3620)
contains.

Yxy(87.2705, 0.2877, 0.3620)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.2705, 0.2877, 0.3620)

Conversions

Conversions Part 1

Format	Color
Hex	B9FFE1
RGB	185, 255, 225
RGB Percent	73%, 100%, 88%
CMY	0.2746, 0.0000, 0.1175
CMYK	0.27, 0.00, 0.12, 0.00
HSL	154°, 100%, 86%
HSV	154°, 27%, 100%
XYZ	69.3584, 87.2705, 84.4499
YIQ	230.6500, -32.0900, -24.1700

Conversions

Conversions Part 2

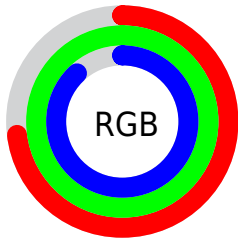
Format	Color
RYB	185, 230, 255
Decimal	12189665
CIELab	94.85, -27.66, 7.37
CIELCh	95, 28.629, 165.084
Yxy	87.2705, 0.2877, 0.3620
Android (android.graphics.Color)	4290379745 (0xFFB9FFE1)
YUV	230.6500, -2.7855, -40.0351
Hunter-Lab	93.4187, -30.9560, 11.7953

Details

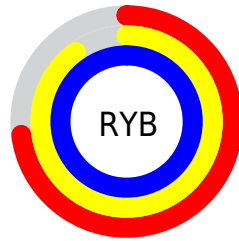
The Yxy color **87.2705, 0.2877, 0.3620** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **60.8532, 0.3473, 0.2984**, and the grayscale version is **79.6745, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6172, 0.3047, 0.3290**, and **48.0363, 0.2818, 0.3693** is the 20% darker color. If you saturate the color by 10%, you get **83.8017, 0.2798, 0.3763**, and if you desaturate by 10%, it is **91.3456, 0.2964, 0.3489**.

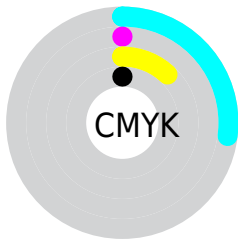
Distribution



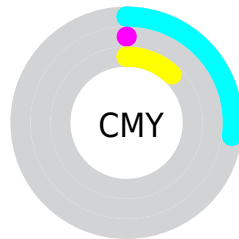
- Red (73%)
- Green (100%)
- Blue (88%)



- Red (73%)
- Yellow (90%)
- Blue (100%)



- Cyan (27%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)




- Cyan (27%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.2705, 0.2877, 0.3620 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 87.2705, 0.2877, 0.3620 by changing the saturation by 10% instead.


 87.2705, 0.2877,
0.3620

 87.2705, 0.2877,
0.3620


519.1113, 0.2991,
0.3469

 65.7191, 0.2851,
0.3654


 143.5411, 0.2916,
0.3568

 48.0444, 0.2820,
0.3697


179.0291, 0.2931,
0.3547

 33.8620, 0.2781,
0.3750


219.9314, 0.2945,
0.3530

 22.7876, 0.2730,
0.3819

266.6324, 0.2956,
0.3514

 14.4368, 0.2662,
0.3913

319.5165, 0.2966,
0.3501

 8.4251, 0.2566,
0.4047


378.9681, 0.2975,


 4.3681, 0.2421,


0.3489


0.4254


445.3715, 0.2983,
0.3478


 1.8815, 0.2178,
0.4612


 0.5372, 0.0000,
0.8851


 87.2705, 0.2877,
0.3620

 87.2705, 0.2877,
0.3620


 83.8017, 0.2798,
0.3763


 91.3456, 0.2964,
0.3489

 80.9089, 0.2730,
0.3917

 96.0564, 0.3057,
0.3370

 78.5577, 0.2677,
0.4079

 100.0000, 0.3127,
0.3290

 76.7105, 0.2641,
0.4247

■ 75.3246, 0.2625,
0.4417

■ 74.3498, 0.2631,
0.4585

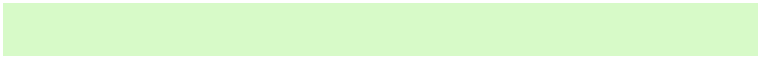
■ 73.7209, 0.2655,
0.4747

■ 73.5918, 0.2663,
0.4787

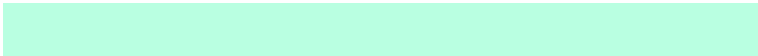
Harmonies

Analogous

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



87.2705, 0.3194, 0.3827



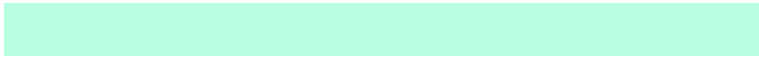
87.2705, 0.2877, 0.3620



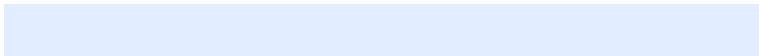
87.2705, 0.2635, 0.3316

Triad

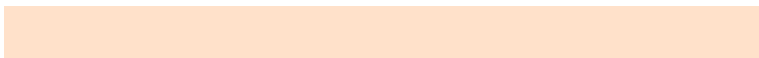
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.2705, 0.2877, 0.3620



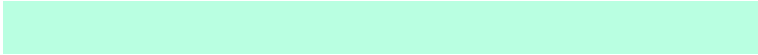
87.2705, 0.2744, 0.2756



87.2705, 0.3771, 0.3504

Complementary

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



87.2705, 0.2877, 0.3620



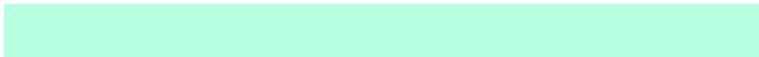
60.8532, 0.3473, 0.2984

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.



87.2705, 0.3639, 0.3235



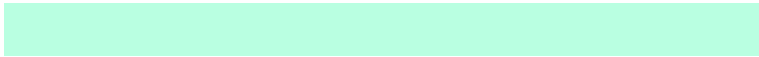
87.2705, 0.2877, 0.3620



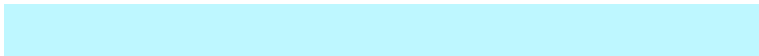
87.2705, 0.3034, 0.2818

Square

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



87.2705, 0.2877, 0.3620



87.2705, 0.2562, 0.2824



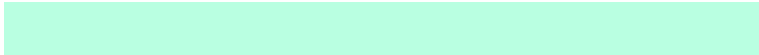
87.2705, 0.3364, 0.2990



87.2705, 0.3718, 0.3737

Rectangle

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



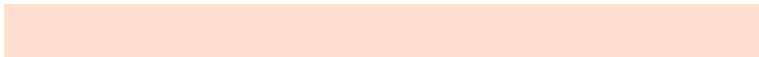
87.2705, 0.2877, 0.3620



87.2705, 0.2545, 0.3113



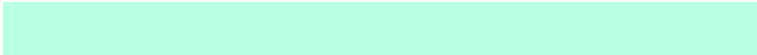
87.2705, 0.3364, 0.2990



87.2705, 0.3747, 0.3415

Sweetspot

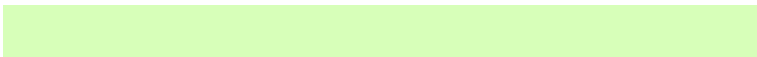
The Sweet Spot groups the original color and five complimentary colors.



87.2703, 0.2877, 0.3620



95.7846, 0.3051, 0.3376



89.5179, 0.3279, 0.4042



20.3424, 0.3037, 0.3394



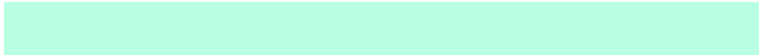
0.0000, 0.0000, 0.0000



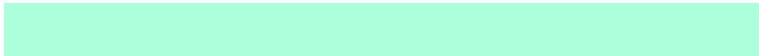
21.4041, 0.3127, 0.3290

Same Dimension

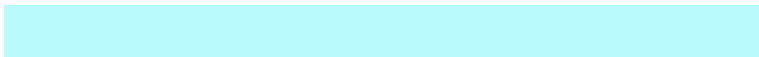
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.2703, 0.2877, 0.3620



85.2752, 0.2832, 0.3698



86.1097, 0.2721, 0.3239



20.3424, 0.3037, 0.3394



38.4838, 0.2656, 0.4761



3.7689, 0.2605, 0.4576

Inverse Universe

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



60.8532, 0.3473, 0.2984



54.8272, 0.3568, 0.2919



61.4369, 0.3715, 0.3341



18.1161, 0.3227, 0.3189



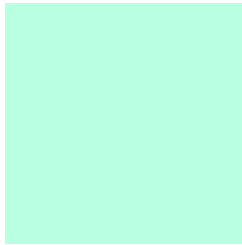
11.7155, 0.5269, 0.2676



1.1621, 0.4978, 0.2516

Previews

White Background



This preview shows how the Yxy color 87.2705, 0.2877, 0.3620 looks on a white background.

Color Contrast Check

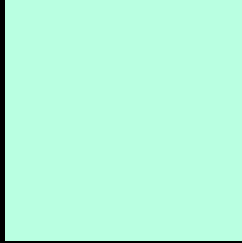
Large Text (above 18pt) WCAG AA × Fail

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 87.2705, 0.2877, 0.3620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

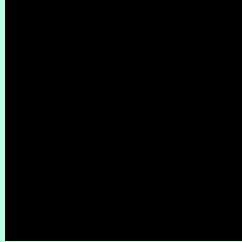
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

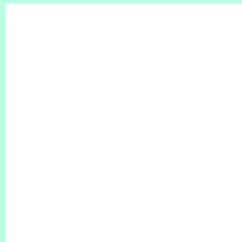
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.2705, 0.2877, 0.3620

Background



This preview shows how black text looks on a background with the Yxy color 87.2705, 0.2877, 0.3620.

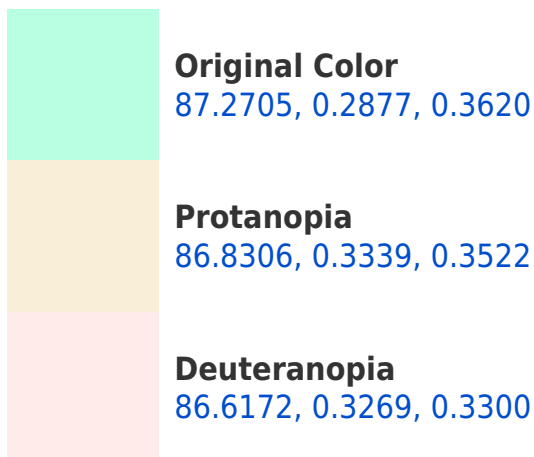


This preview shows how white text looks on a background with the Yxy color 87.2705, 0.2877, 0.3620.

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





Tritanopia

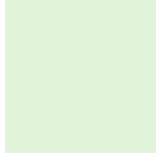
86.6731, 0.2896, 0.3176

Trichromacy



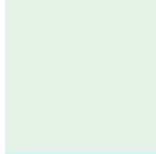
Original Color

87.2705, 0.2877, 0.3620



Protanomaly

86.5880, 0.3160, 0.3562



Deuteranomaly

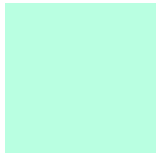
86.0968, 0.3115, 0.3403



Tritanomaly

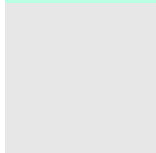
86.6456, 0.2887, 0.3332

Monochromacy



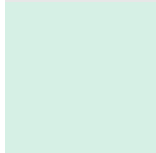
Original Color

87.2705, 0.2877, 0.3620



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.2735, 0.3025, 0.3407

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.2705, 0.2877, 0.3620 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, 225)` looks like.

```
.text, #text, p{  
    color:rgb(185, 255, 225)  
}
```

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, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 255, 225) }
```

Border

The CSS property to change the border of an element to Yxy 87.2705, 0.2877, 0.3620 is called "border". The border property can be set on classes, ids or directly on the HTML element.

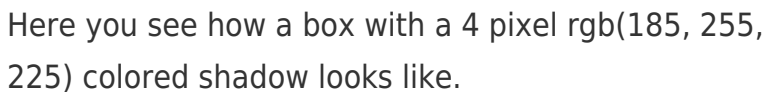
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(185, 255, 225) }
```

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

```
.border{ border-color:rgb(185, 255, 225) }
```

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, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 255, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 255, 225);  
box-shadow:4px 4px 4px 4px rgb(185, 255,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 87.2705, 0.2877, 0.3620 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, 225) }
```

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

```
.background{ background-color: rgb(185,  
255, 225) }
```

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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