

Converting Colors

$Yxy(86.4970, 0.2855, 0.3588)$

Have a look what the booklet for
Yxy(86.4970, 0.2855, 0.3588)
contains.

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Color

Yxy(86.4970, 0.2855, 0.3588)

Conversions

Conversions Part 1

Format	Color
Hex	B7FEE3
RGB	183, 254, 227
RGB Percent	72%, 100%, 89%
CMY	0.2826, 0.0039, 0.1097
CMYK	0.28, 0.00, 0.11, 0.00
HSL	157°, 97%, 86%
HSV	157°, 28%, 100%
XYZ	68.8263, 86.4970, 85.7497
YIQ	229.6930, -33.6490, -23.4490

Conversions

Conversions Part 2

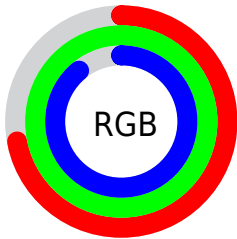
Format	Color
RYB	183, 227, 254
Decimal	12058339
CIELab	94.52, -27.40, 5.86
CIELCh	95, 28.023, 167.920
Yxy	86.4970, 0.2855, 0.3588
Android (android.graphics.Color)	4290248419 (0xFFB7FEE3)
YUV	229.6930, -1.3276, -40.9498
Hunter-Lab	93.0038, -30.6597, 10.4371

Details

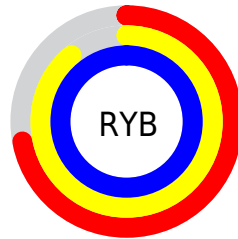
The Yxy color **86.4970, 0.2855, 0.3588** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **59.5679, 0.3510, 0.3012**, and the grayscale version is **78.9149, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2653, 0.3035, 0.3290**, and **47.5003, 0.2791, 0.3651** is the 20% darker color. If you saturate the color by 10%, you get **83.1448, 0.2771, 0.3714**, and if you desaturate by 10%, it is **90.4482, 0.2948, 0.3472**.

Distribution



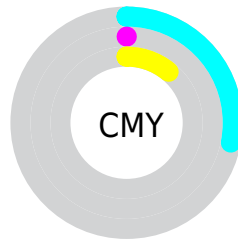
- Red (72%)
- Green (100%)
- Blue (89%)



- Red (72%)
- Yellow (89%)
- Blue (100%)



- Cyan (28%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (28%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.4970, 0.2855, 0.3588 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 86.4970, 0.2855, 0.3588 by changing the saturation by 10% instead.


 86.4970, 0.2855,
0.3588

 86.4970, 0.2855,
0.3588


516.5686, 0.2978,
0.3452

 65.0790, 0.2827,
0.3619


 142.4628, 0.2897,
0.3541

 47.5252, 0.2794,
0.3657


177.7795, 0.2914,
0.3523

 33.4510, 0.2751,
0.3705


218.4978, 0.2928,
0.3507

 22.4722, 0.2697,
0.3767

265.0022, 0.2941,
0.3493

 14.2043, 0.2624,
0.3851

317.6771, 0.2952,
0.3481

 8.2629, 0.2521,
0.3971

376.9069, 0.2962,

 4.2636, 0.2367,

0.3470

0.4155

443.0759, 0.2970,
0.3460

■ 1.8221, 0.2110,
0.4473

■ 0.5009, 0.0000,
0.7873

■ 86.4970, 0.2855,
0.3588

■ 86.4970, 0.2855,
0.3588

■ 83.1448, 0.2771,
0.3714

■ 90.4482, 0.2948,
0.3472

■ 80.3502, 0.2699,
0.3850

■ 95.0161, 0.3046,
0.3366

■ 78.0831, 0.2642,
0.3993

99.3734, 0.3128,
0.3281

■ 76.3063, 0.2604,
0.4140

■ 74.9773, 0.2585,
0.4290

■ 74.0462, 0.2588,
0.4439

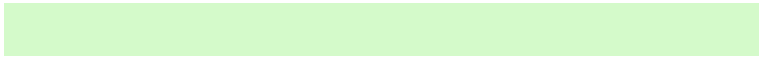
■ 73.4457, 0.2609,
0.4584

■ 73.3451, 0.2615,
0.4612

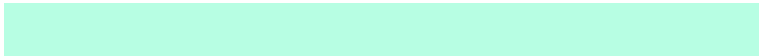
Harmonies

Analogous

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



86.4970, 0.3162, 0.3804



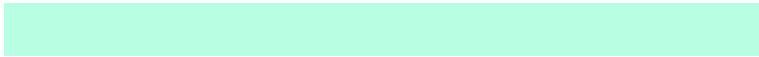
86.4970, 0.2855, 0.3588



86.4970, 0.2628, 0.3286

Triad

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



86.4970, 0.2855, 0.3588



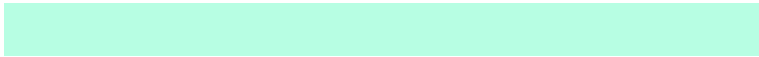
86.4970, 0.2774, 0.2766



86.4970, 0.3762, 0.3525

Complementary

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



86.4970, 0.2855, 0.3588



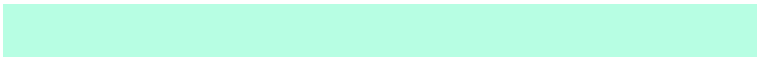
59.5679, 0.3510, 0.3012

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.



86.4970, 0.3649, 0.3261



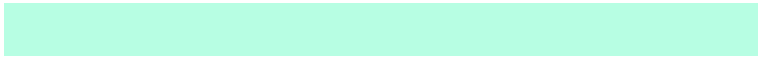
86.4970, 0.2855, 0.3588



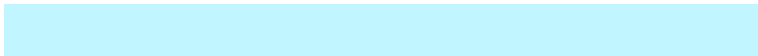
86.4970, 0.3066, 0.2838

Square

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



86.4970, 0.2855, 0.3588



86.4970, 0.2583, 0.2821



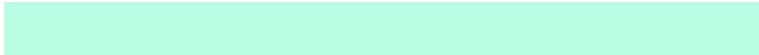
86.4970, 0.3389, 0.3015



86.4970, 0.3694, 0.3746

Rectangle

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



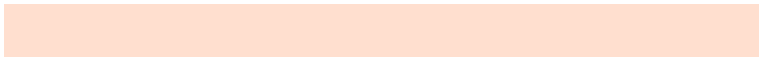
86.4970, 0.2855, 0.3588



86.4970, 0.2547, 0.3090



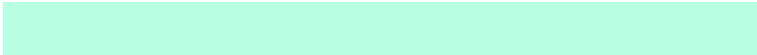
86.4970, 0.3389, 0.3015



86.4970, 0.3744, 0.3438

Sweetspot

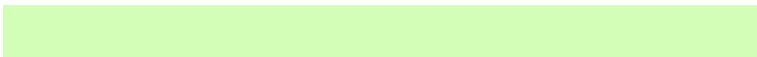
The Sweet Spot groups the original color and five complimentary colors.



86.5006, 0.2855, 0.3588



95.8450, 0.3046, 0.3367



88.0391, 0.3259, 0.4063



20.3576, 0.3031, 0.3382



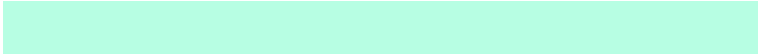
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

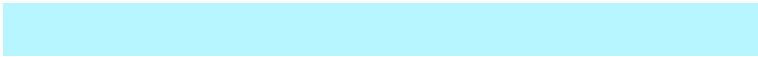
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.5006, 0.2855, 0.3588



85.1550, 0.2803, 0.3663



82.9607, 0.2710, 0.3199



20.3576, 0.3031, 0.3382



38.6928, 0.2608, 0.4589



3.7887, 0.2562, 0.4424

Inverse Universe

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



59.5679, 0.3510, 0.3012



53.6045, 0.3624, 0.2949



61.8546, 0.3720, 0.3379



18.1013, 0.3234, 0.3200



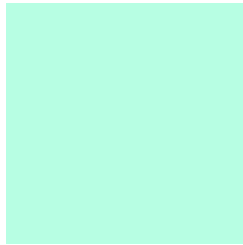
11.5853, 0.5465, 0.2784



1.1485, 0.5157, 0.2615

Previews

White Background



This preview shows how the Yxy color 86.4970, 0.2855, 0.3588 looks on a white background.

Color Contrast Check

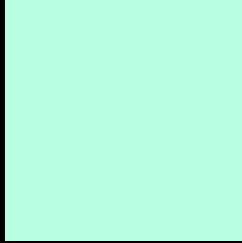
Large Text (above 18pt) WCAG AA × Fail

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 86.4970, 0.2855, 0.3588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

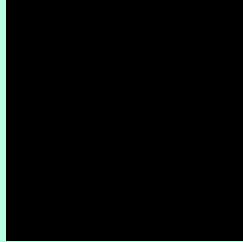
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

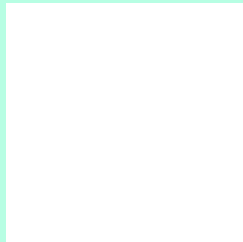
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.4970, 0.2855, 0.3588

Background



This preview shows how black text looks on a background with the Yxy color 86.4970, 0.2855, 0.3588.

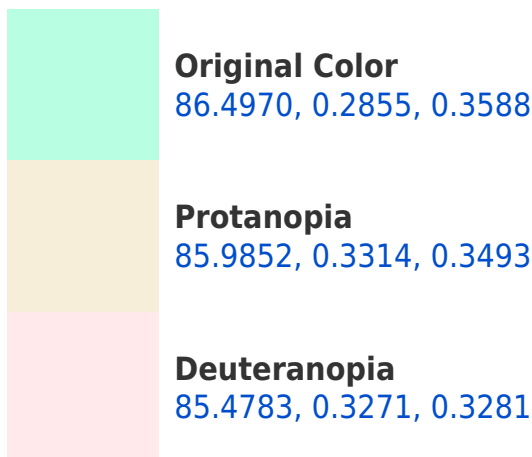


This preview shows how white text looks on a background with the Yxy color 86.4970, 0.2855, 0.3588.

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

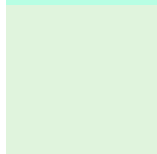
86.2175, 0.2878, 0.3176

Trichromacy



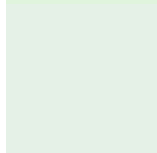
Original Color

86.4970, 0.2855, 0.3588



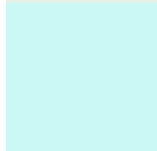
Protanomaly

85.7691, 0.3135, 0.3532



Deuteranomaly

85.3381, 0.3109, 0.3393



Tritanomaly

86.4239, 0.2870, 0.3321

Monochromacy



Original Color

86.4970, 0.2855, 0.3588



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

81.5363, 0.3018, 0.3397

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.4970, 0.2855, 0.3588 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(183, 254, 227)` looks like.

```
.text, #text, p{  
    color:rgb(183, 254, 227)  
}
```

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(183, 254, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 254, 227) }
```

Border

The CSS property to change the border of an element to Yxy 86.4970, 0.2855, 0.3588 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(183, 254, 227) }
```

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

```
.border{ border-color:rgb(183, 254, 227) }
```

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

Here you see how a box with a 4 pixel rgb(183, 254, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 254, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 254, 227);  
box-shadow:4px 4px 4px 4px rgb(183, 254,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 86.4970, 0.2855, 0.3588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 254, 227) }
```

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

```
.background{ background-color: rgb(183,  
254, 227) }
```

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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