

Converting Colors

$Yxy(85.1748, 0.2860, 0.3749)$

Have a look what the booklet for
Yxy(85.1748, 0.2860, 0.3749)
contains.

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Color

Yxy(85.1970, 0.2858, 0.3744)

Conversions

Conversions Part 1

Format	Color
Hex	ACFFD7
RGB	172, 255, 215
RGB Percent	67%, 100%, 84%
CMY	0.3256, 0.0000, 0.1568
CMYK	0.33, 0.00, 0.16, 0.00
HSL	151°, 100%, 84%
HSV	151°, 33%, 100%
XYZ	65.0355, 85.1970, 77.3236
YIQ	225.6230, -36.6280, -30.0360

Conversions

Conversions Part 2

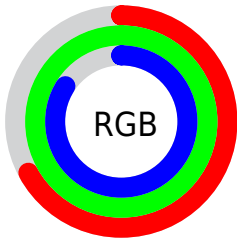
Format	Color
RYB	172, 227, 255
Decimal	11337687
CIELab	93.97, -33.40, 11.16
CIELCh	94, 35.220, 161.518
Yxy	85.1970, 0.2858, 0.3744
Android (android.graphics.Color)	4289527767 (0xFFACFFD7)
YUV	225.6230, -5.2371, -47.0274
Hunter-Lab	92.3022, -35.7590, 14.9430

Details

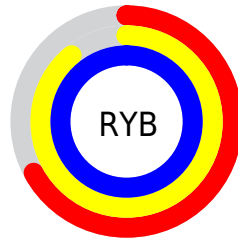
The Yxy color **85.1970, 0.2858, 0.3744** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **55.5022, 0.3521, 0.2880**, and the grayscale version is **75.8188, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3980, 0.2970, 0.3290**, and **46.7081, 0.2798, 0.3858** is the 20% darker color. If you saturate the color by 10%, you get **81.9737, 0.2790, 0.3913**, and if you desaturate by 10%, it is **89.0160, 0.2935, 0.3588**.

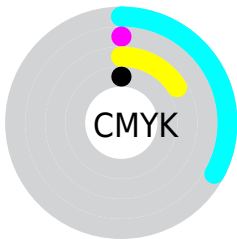
Distribution



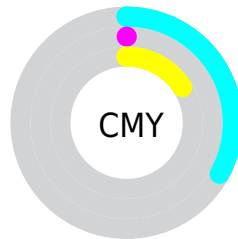
- Red (67%)
- Green (100%)
- Blue (84%)



- Red (67%)
- Yellow (89%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (33%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.1970, 0.2858, 0.3744 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 85.1970, 0.2858, 0.3744 by changing the saturation by 10% instead.


 85.1970, 0.2858,
0.3744

 85.1970, 0.2858,
0.3744

512.2797, 0.2982,
0.3533

 64.0042, 0.2830,
0.3793

 140.6484, 0.2901,
0.3670

 46.6541, 0.2795,
0.3853


175.6757, 0.2918,
0.3642

 32.7623, 0.2750,
0.3929


216.0834, 0.2932,
0.3617

 21.9444, 0.2693,
0.4029

262.2557, 0.2945,
0.3596

 13.8160, 0.2614,
0.4166

314.5771, 0.2956,
0.3577

 7.9928, 0.2502,
0.4364

373.4319, 0.2966,

 4.0904, 0.2328,

0.3561

0.4676

439.2047, 0.2975,
0.3546

■ 1.7242, 0.1994,
0.5254

■ 0.4393, 0.0000,
1.0000

■ 85.1970, 0.2858,
0.3744

■ 85.1970, 0.2858,
0.3744

■ 81.9737, 0.2790,
0.3913

■ 89.0160, 0.2935,
0.3588

■ 79.3210, 0.2734,
0.4093

■ 93.4687, 0.3018,
0.3447

■ 77.2003, 0.2694,
0.4281

■ 98.5806, 0.3105,
0.3320

■ 75.5712, 0.2673,
0.4472

100.0000, 0.3127,
0.3290

■ 74.3872, 0.2672,
0.4663

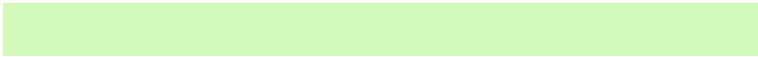
■ 73.5923, 0.2691,
0.4846

■ 73.1926, 0.2716,
0.4977

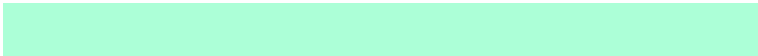
Harmonies

Analogous

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



85.1970, 0.3252, 0.3982



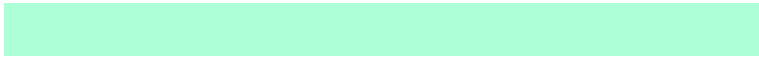
85.1970, 0.2858, 0.3744



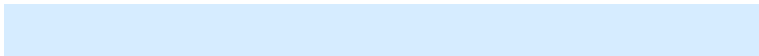
85.1970, 0.2549, 0.3365

Triad

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



85.1970, 0.2858, 0.3744



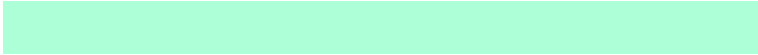
85.1970, 0.2620, 0.2637



85.1970, 0.3920, 0.3506

Complementary

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



85.1970, 0.2858, 0.3744



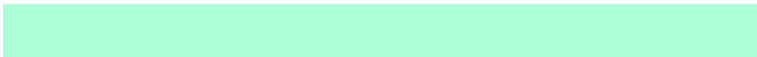
55.5022, 0.3521, 0.2880

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.



85.1970, 0.3731, 0.3179



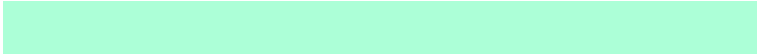
85.1970, 0.2858, 0.3744



85.1970, 0.2962, 0.2697

Square

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



85.1970, 0.2858, 0.3744



85.1970, 0.2420, 0.2735



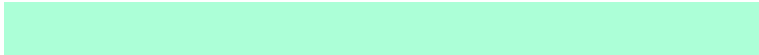
85.1970, 0.3371, 0.2891



85.1970, 0.3878, 0.3805

Rectangle

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



85.1970, 0.2858, 0.3744



85.1970, 0.2426, 0.3107



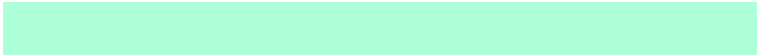
85.1970, 0.3371, 0.2891



85.1970, 0.3881, 0.3397

Sweetspot

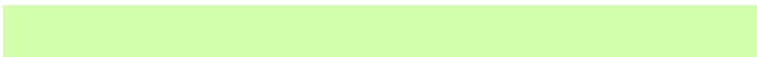
The Sweet Spot groups the original color and five complimentary colors.



85.1944, 0.2858, 0.3744



94.7148, 0.3040, 0.3413



88.5090, 0.3331, 0.4189



20.1254, 0.3028, 0.3432



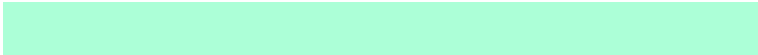
0.0000, 0.0000, 0.0000



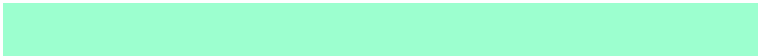
21.4041, 0.3127, 0.3290

Same Dimension

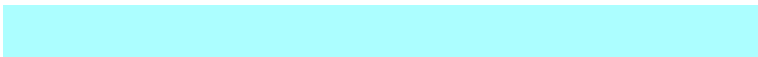
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.1944, 0.2858, 0.3744



83.0542, 0.2813, 0.3851



86.6269, 0.2659, 0.3274



20.3255, 0.3045, 0.3407



38.2751, 0.2708, 0.4948



3.7488, 0.2652, 0.4745

Inverse Universe

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



55.5022, 0.3521, 0.2880



49.2183, 0.3630, 0.2796



54.2585, 0.3882, 0.3307



18.1328, 0.3218, 0.3176



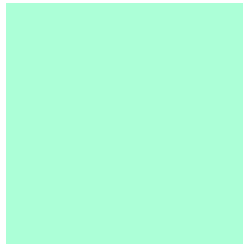
11.8827, 0.5043, 0.2552



1.1789, 0.4779, 0.2406

Previews

White Background



This preview shows how the Yxy color 85.1970, 0.2858, 0.3744 looks on a white background.

Color Contrast Check

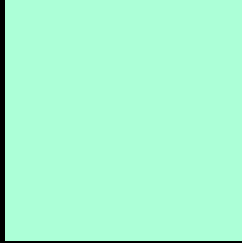
Large Text (above 18pt) WCAG AA × Fail

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 85.1970, 0.2858, 0.3744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

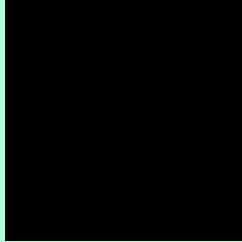
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.1970, 0.2858, 0.3744

Background



This preview shows how black text looks on a background with the Yxy color 85.1970, 0.2858, 0.3744.

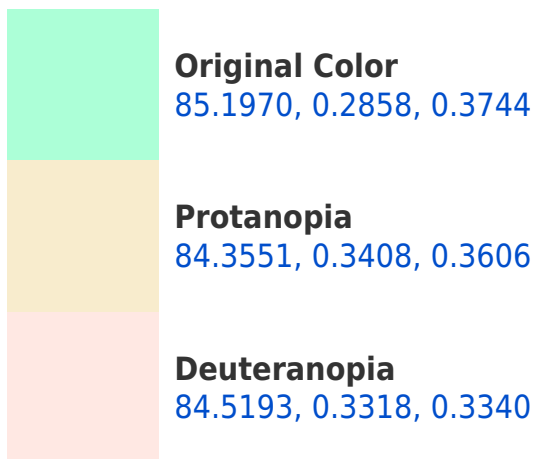


This preview shows how white text looks on a background with the Yxy color 85.1970, 0.2858, 0.3744.

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

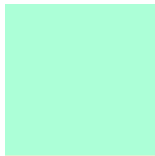




Tritanopia

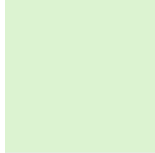
84.7311, 0.2842, 0.3164

Trichromacy



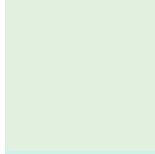
Original Color

85.1970, 0.2858, 0.3744



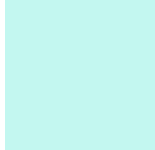
Protanomaly

83.9203, 0.3182, 0.3654



Deuteranomaly

83.6554, 0.3132, 0.3469



Tritanomaly

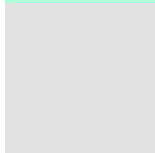
84.4149, 0.2850, 0.3365

Monochromacy



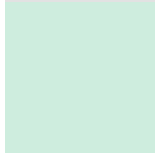
Original Color

85.1970, 0.2858, 0.3744



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

78.9641, 0.3015, 0.3454

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.1970, 0.2858, 0.3744 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(172, 255, 215)` looks like.

```
.text, #text, p{  
    color:rgb(172, 255, 215)  
}
```

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(172, 255, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 255, 215) }
```

Border

The CSS property to change the border of an element to Yxy 85.1970, 0.2858, 0.3744 is called "border". The border property can be set on classes, ids or directly on the HTML element.

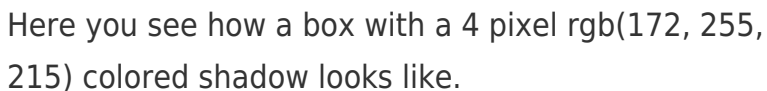
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(172, 255, 215) }
```

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

```
.border{ border-color:rgb(172, 255, 215) }
```

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



Here you see how a box with a 4 pixel `rgb(172, 255, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 255, 215); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 255, 215); box-shadow:4px 4px 4px 4px rgb(172, 255, 215) }
```


Background

The CSS property to change the background color of an element to Yxy 85.1970, 0.2858, 0.3744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 255, 215) }
```

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

```
.background{ background-color: rgb(172,  
255, 215) }
```

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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