

Converting Colors

Yxy(87.4628, 0.2852, 0.3341)

Have a look what the booklet for
Yxy(87.4628, 0.2852, 0.3341)
contains.

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Color

Yxy(87.2431, 0.2854, 0.3342)

Conversions

Conversions Part 1

Format	Color
Hex	C8FAF5
RGB	200, 250, 245
RGB Percent	78%, 98%, 96%
CMY	0.2153, 0.0197, 0.0392
CMYK	0.20, 0.00, 0.02, 0.02
HSL	174°, 83%, 88%
HSV	174°, 20%, 98%
XYZ	74.5038, 87.2431, 99.3036
YIQ	234.4800, -28.1950, -12.1550

Conversions

Conversions Part 2

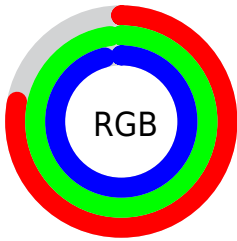
Format	Color
R _Y B	200, 226, 250
Decimal	13171445
CIE Lab	94.84, -16.75, -2.85
CIE LCh	95, 16.988, 189.651
Yxy	87.2431, 0.2854, 0.3342
Android (android.graphics.Color)	4291361525 (0xFFC8FAF5)
YUV	234.4800, 5.1864, -30.2390
Hunter-Lab	93.4040, -21.0763, 2.3479

Details

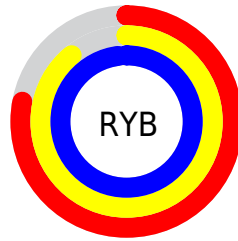
The Yxy color **87.2431, 0.2854, 0.3342** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.0810, 0.3486, 0.3239**, and the grayscale version is **82.6520, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.8338, 0.2792, 0.3344** is the 20% darker color. If you saturate the color by 10%, you get **83.9282, 0.2731, 0.3371**, and if you desaturate by 10%, it is **91.1300, 0.2987, 0.3315**.

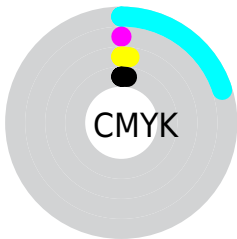
Distribution



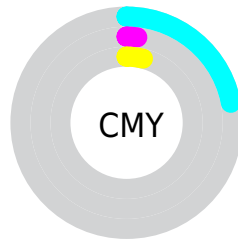
- Red (78%)
- Green (98%)
- Blue (96%)



- Red (78%)
- Yellow (89%)
- Blue (98%)



- Cyan (20%)
- Magenta (0%)
- Yellow (2%)
- Black (2%)





- Cyan (22%)
- Magenta (2%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.2431, 0.2854, 0.3342 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 87.2431, 0.2854, 0.3342 by changing the saturation by 10% instead.


 87.2431, 0.2854,
0.3342

 87.2431, 0.2854,
0.3342

519.0214, 0.2976,
0.3320

 65.6964, 0.2827,
0.3347

143.5029, 0.2895,
0.3335

 48.0260, 0.2795,
0.3352


178.9849, 0.2912,
0.3332

 33.8475, 0.2754,
0.3359


219.8806, 0.2926,
0.3329

 22.7764, 0.2703,
0.3368

266.5747, 0.2938,
0.3327

 14.4285, 0.2635,
0.3379

319.4514, 0.2949,
0.3325

 8.4193, 0.2541,
0.3393


378.8951, 0.2959,


 4.3644, 0.2403,


0.3323


445.2903, 0.2968,
0.3321


0.3412


 1.8794, 0.2182,
0.3439


 0.5360, 0.0709,
0.3776


 87.2431, 0.2854,
0.3342

 87.2431, 0.2854,
0.3342


 83.9282, 0.2731,
0.3371


 91.1300, 0.2987,
0.3315


 81.1473, 0.2621,
0.3403

 95.6037, 0.3128,
0.3290

 78.8744, 0.2527,
0.3436

 96.6817, 0.3144,
0.3266

 77.0769, 0.2451,
0.3470

 96.8413, 0.3129,
0.3242

■ 75.7188, 0.2394,
0.3504

■ 96.8424, 0.3129,
0.3242

■ 74.7585, 0.2357,
0.3539

■ 74.1467, 0.2339,
0.3573

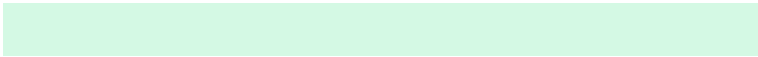
■ 73.8023, 0.2336,
0.3607

■ 73.8011, 0.2336,
0.3608

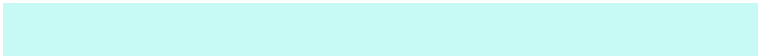
Harmonies

Analogous

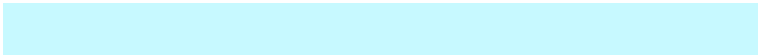
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.2431, 0.3013, 0.3509



87.2431, 0.2854, 0.3342



87.2431, 0.2768, 0.3165

Triad

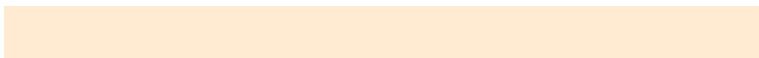
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.2431, 0.2854, 0.3342



87.2431, 0.3040, 0.2990



87.2431, 0.3491, 0.3540

Complementary

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



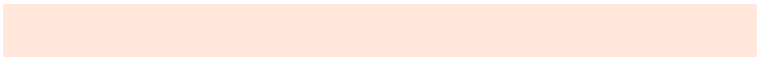
87.2431, 0.2854, 0.3342



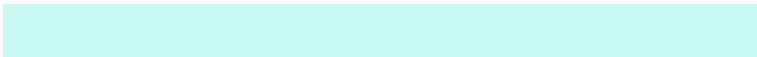
66.0810, 0.3486, 0.3239

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.



87.2431, 0.3500, 0.3396



87.2431, 0.2854, 0.3342



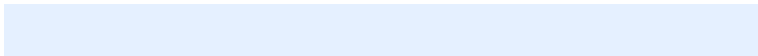
87.2431, 0.3235, 0.3085

Square

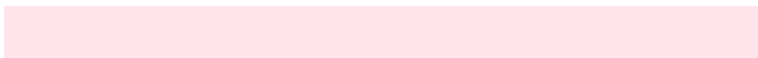
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.2431, 0.2854, 0.3342



87.2431, 0.2872, 0.2969



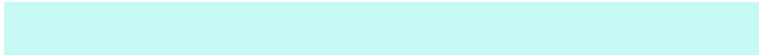
87.2431, 0.3406, 0.3231



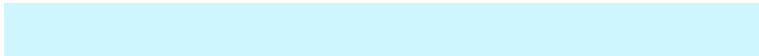
87.2431, 0.3382, 0.3623

Rectangle

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



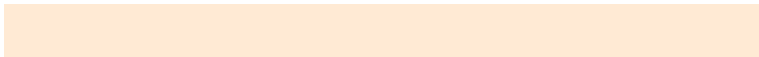
87.2431, 0.2854, 0.3342



87.2431, 0.2762, 0.3068



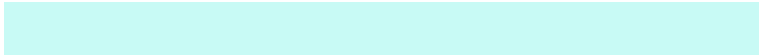
87.2431, 0.3406, 0.3231



87.2431, 0.3506, 0.3497

Sweetspot

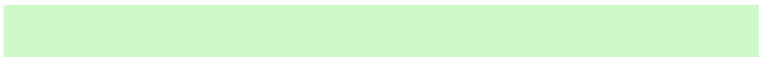
The Sweet Spot groups the original color and five complimentary colors.



87.2467, 0.2854, 0.3342



97.1149, 0.3042, 0.3305



85.5266, 0.3133, 0.3838



20.7223, 0.3033, 0.3306



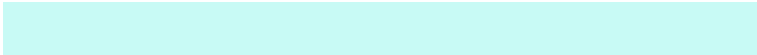
0.0000, 0.0000, 0.0000



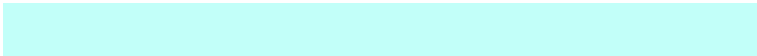
21.4041, 0.3127, 0.3290

Same Dimension

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



87.2467, 0.2854, 0.3342



89.7958, 0.2803, 0.3354



75.8007, 0.2814, 0.3074



19.5770, 0.2994, 0.3314



39.1638, 0.2334, 0.3602



3.6356, 0.2323, 0.3561

Inverse Universe

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



66.0810, 0.3486, 0.3239



63.9203, 0.3581, 0.3228



75.7063, 0.3485, 0.3497



17.2533, 0.3278, 0.3267



10.8269, 0.6287, 0.3237



1.0118, 0.6064, 0.3114

Previews

White Background



This preview shows how the Yxy color 87.2431, 0.2854, 0.3342 looks on a white background.

Color Contrast Check

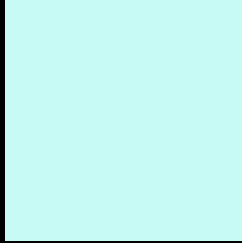
Large Text (above 18pt) WCAG AA × Fail

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 87.2431, 0.2854, 0.3342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

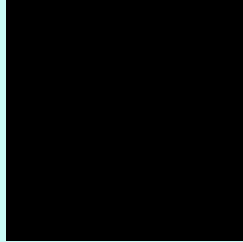
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.2431, 0.2854, 0.3342

Background



This preview shows how black text looks on a background with the Yxy color 87.2431, 0.2854, 0.3342.

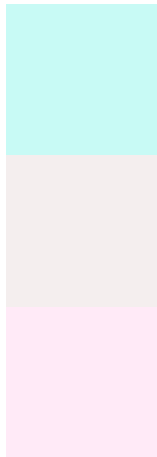


This preview shows how white text looks on a background with the Yxy color 87.2431, 0.2854, 0.3342.

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

87.2431, 0.2854, 0.3342

Protanopia

86.5552, 0.3167, 0.3290

Deuteranopia

86.8210, 0.3187, 0.3164



Tritanopia

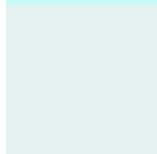
87.2935, 0.2920, 0.3177

Trichromacy



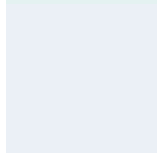
Original Color

87.2431, 0.2854, 0.3342



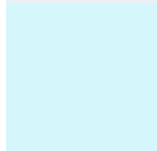
Protanomaly

86.3491, 0.3043, 0.3300



Deuteranomaly

86.6362, 0.3059, 0.3229



Tritanomaly

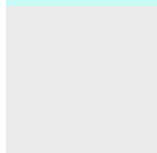
87.0227, 0.2895, 0.3238

Monochromacy



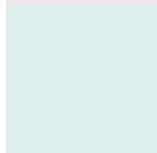
Original Color

87.2431, 0.2854, 0.3342



Achromatopsia

82.2786, 0.3127, 0.3290



Achromatomaly

84.0228, 0.3023, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.2431, 0.2854, 0.3342 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(200, 250, 245)` looks like.

```
.text, #text, p{  
    color:rgb(200, 250, 245)  
}
```

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(200, 250, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 250, 245) }
```

Border

The CSS property to change the border of an element to Yxy 87.2431, 0.2854, 0.3342 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(200, 250, 245) }
```

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

```
.border{ border-color:rgb(200, 250, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 250, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 250, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 250, 245);  
box-shadow:4px 4px 4px 4px rgb(200, 250,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 87.2431, 0.2854, 0.3342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 250, 245) }
```

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

```
.background{ background-color: rgb(200,  
250, 245) }
```

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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