

Converting Colors

$Yxy(86.1170, 0.2941, 0.3422)$

Have a look what the booklet for
Yxy(86.1170, 0.2941, 0.3422)
contains.

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Color

Yxy(86.2548, 0.2942, 0.3428)

Conversions

Conversions Part 1

Format	Color
Hex	CEF8EB
RGB	206, 248, 235
RGB Percent	81%, 97%, 92%
CMY	0.1919, 0.0275, 0.0785
CMYK	0.17, 0.00, 0.05, 0.03
HSL	161°, 75%, 89%
HSV	161°, 17%, 97%
XYZ	74.0261, 86.2548, 91.3375
YIQ	233.9600, -20.8590, -12.9470

Conversions

Conversions Part 2

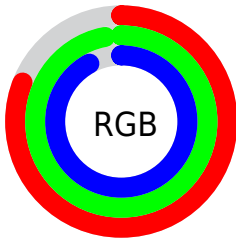
Format	Color
R _Y B	206, 231, 248
Decimal	13564139
CIE Lab	94.42, -15.92, 1.76
CIE LCh	94, 16.021, 173.696
Yxy	86.2548, 0.2942, 0.3428
Android (android.graphics.Color)	4291754219 (0xFFCEF8EB)
YUV	233.9600, 0.5127, -24.5209
Hunter-Lab	92.8735, -20.2525, 6.7020

Details

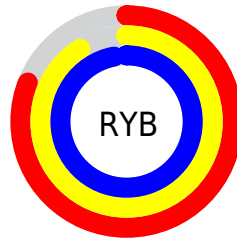
The Yxy color **86.2548, 0.2942, 0.3428** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.2416, 0.3354, 0.3156**, and the grayscale version is **82.2642, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.5333, 0.2901, 0.3469** is the 20% darker color. If you saturate the color by 10%, you get **82.5486, 0.2840, 0.3521**, and if you desaturate by 10%, it is **90.5474, 0.3050, 0.3344**.

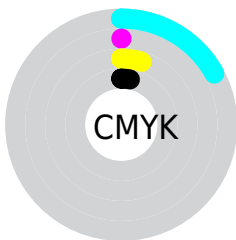
Distribution



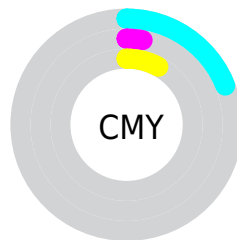
- Red (81%)
- Green (97%)
- Blue (92%)



- Red (81%)
- Yellow (91%)
- Blue (97%)



- Cyan (17%)
- Magenta (0%)
- Yellow (5%)
- Black (3%)





- Cyan (19%)
- Magenta (3%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.2548, 0.2942, 0.3428 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 86.2548, 0.2942, 0.3428 by changing the saturation by 10% instead.

 86.2548, 0.2942,
0.3428

 86.2548, 0.2942,
0.3428


515.7710, 0.3025,
0.3366

 64.8787, 0.2923,
0.3442

142.1250, 0.2970,
0.3407

 47.3627, 0.2901,
0.3459


177.3879, 0.2982,
0.3398

 33.3225, 0.2873,
0.3480


218.0485, 0.2991,
0.3391

 22.3736, 0.2836,
0.3508

264.4912, 0.3000,
0.3385

 14.1317, 0.2788,
0.3545

317.1004, 0.3007,
0.3379

 8.2123, 0.2721,
0.3596

376.2605, 0.3014,

 4.2311, 0.2620,

0.3374

442.3559, 0.3020,
0.3370

0.3675

1.8037, 0.2453,
0.3806

0.4895, 0.0784,
0.5016

86.2548, 0.2942,
0.3428

86.2548, 0.2942,
0.3428

82.5486, 0.2840,
0.3521

90.5474, 0.3050,
0.3344

79.3915, 0.2748,
0.3622

95.3163, 0.3158,
0.3267

76.7588, 0.2667,
0.3729

95.6111, 0.3130,
0.3223

74.6192, 0.2603,
0.3843

■ 72.9382, 0.2556,
0.3960

■ 71.6768, 0.2530,
0.4080

■ 70.7890, 0.2523,
0.4200

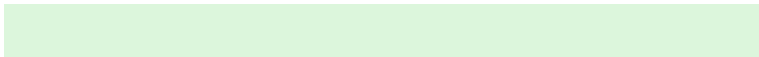
■ 70.2166, 0.2537,
0.4318

■ 70.0757, 0.2543,
0.4354

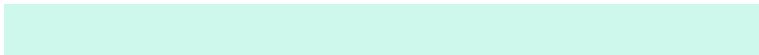
Harmonies

Analogous

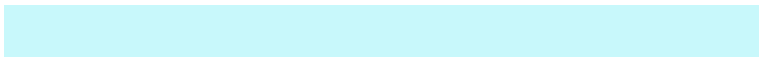
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.2548, 0.3115, 0.3560



86.2548, 0.2942, 0.3428



86.2548, 0.2820, 0.3259

Triad

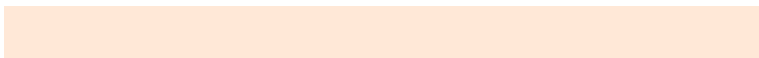
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.2548, 0.2942, 0.3428



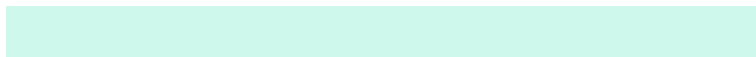
86.2548, 0.2954, 0.2985



86.2548, 0.3489, 0.3460

Complementary

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



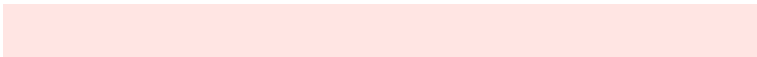
86.2548, 0.2942, 0.3428



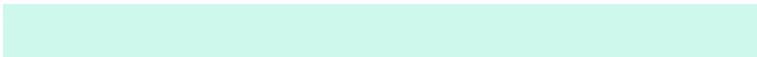
69.2416, 0.3354, 0.3156

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.



86.2548, 0.3444, 0.3308



86.2548, 0.2942, 0.3428



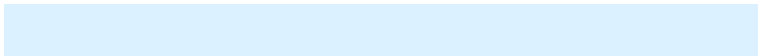
86.2548, 0.3131, 0.3040

Square

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



86.2548, 0.2942, 0.3428



86.2548, 0.2827, 0.3007



86.2548, 0.3311, 0.3156



86.2548, 0.3434, 0.3573

Rectangle

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



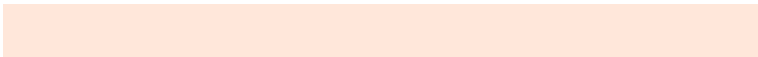
86.2548, 0.2942, 0.3428



86.2548, 0.2782, 0.3152



86.2548, 0.3311, 0.3156



86.2548, 0.3485, 0.3411

Sweetspot

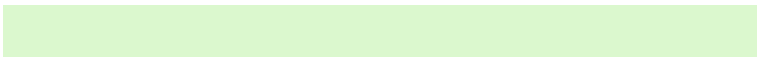
The Sweet Spot groups the original color and five complimentary colors.



86.2584, 0.2942, 0.3428



97.4095, 0.3071, 0.3328



86.7021, 0.3191, 0.3737



20.7745, 0.3063, 0.3334



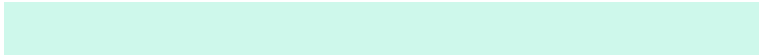
0.0000, 0.0000, 0.0000



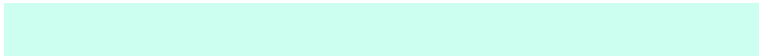
21.4041, 0.3127, 0.3290

Same Dimension

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



86.2584, 0.2942, 0.3428



90.6006, 0.2909, 0.3456



82.4065, 0.2867, 0.3208



19.5116, 0.3022, 0.3365



37.8834, 0.2537, 0.4335



3.5277, 0.2498, 0.4194

Inverse Universe

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



69.2416, 0.3354, 0.3156



69.6030, 0.3406, 0.3130



72.3776, 0.3439, 0.3371



17.3138, 0.3245, 0.3217



11.0911, 0.5731, 0.2931



1.0454, 0.5394, 0.2745

Previews

White Background



This preview shows how the Yxy color 86.2548, 0.2942, 0.3428 looks on a white background.

Color Contrast Check

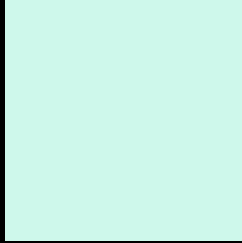
Large Text (above 18pt) WCAG AA × Fail

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 86.2548, 0.2942, 0.3428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

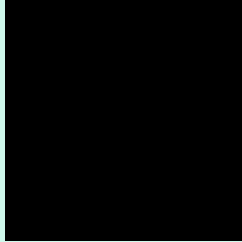
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

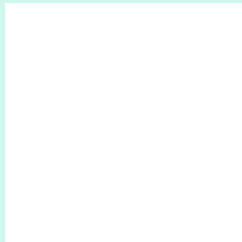
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.2548, 0.2942, 0.3428

Background



This preview shows how black text looks on a background with the Yxy color 86.2548, 0.2942, 0.3428.

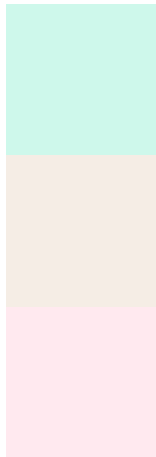


This preview shows how white text looks on a background with the Yxy color 86.2548, 0.2942, 0.3428.

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

86.2548, 0.2942, 0.3428

Protanopia

85.6380, 0.3231, 0.3371

Deuteranopia

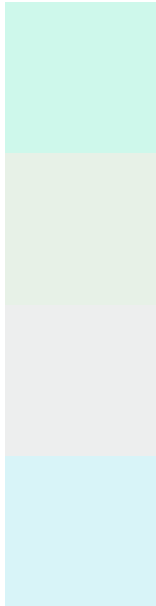
85.7698, 0.3239, 0.3232



Tritanopia

86.0964, 0.2919, 0.3157

Trichromacy



Original Color

86.2548, 0.2942, 0.3428

Protanomaly

85.6690, 0.3122, 0.3393

Deuteranomaly

85.3266, 0.3121, 0.3290

Tritanomaly

86.0776, 0.2929, 0.3248

Monochromacy



Original Color

86.2548, 0.2942, 0.3428

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

83.5208, 0.3059, 0.3342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.2548, 0.2942, 0.3428 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(206, 248, 235)` looks like.

```
.text, #text, p{  
    color:rgb(206, 248, 235)  
}
```

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(206, 248, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 248, 235) }
```

Border

The CSS property to change the border of an element to Yxy 86.2548, 0.2942, 0.3428 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(206, 248, 235) }
```

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

```
.border{ border-color:rgb(206, 248, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 248, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(206, 248, 235); -webkit-box-shadow:4px 4px 4px 4px rgb(206, 248, 235); box-shadow:4px 4px 4px 4px rgb(206, 248, 235) }
```


Background

The CSS property to change the background color of an element to Yxy 86.2548, 0.2942, 0.3428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 248, 235) }
```

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

```
.background{ background-color: rgb(206,  
248, 235) }
```

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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