

Converting Colors

$Yxy(86.8138, 0.3028, 0.3505)$

Have a look what the booklet for
Yxy(86.8138, 0.3028, 0.3505)
contains.

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Color

Yxy(86.8824, 0.3023, 0.3502)

Conversions

Conversions Part 1

Format	Color
Hex	D5F8E4
RGB	213, 248, 228
RGB Percent	84%, 97%, 89%
CMY	0.1649, 0.0274, 0.1059
CMYK	0.14, 0.00, 0.08, 0.03
HSL	146°, 72%, 90%
HSV	146°, 14%, 97%
XYZ	74.9987, 86.8824, 86.2125
YIQ	235.2550, -14.4400, -13.6400

Conversions

Conversions Part 2

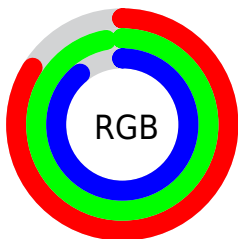
Format	Color
R _Y B	213, 238, 248
Decimal	14022884
CIE Lab	94.69, -15.07, 5.82
CIE LCh	95, 16.153, 158.897
Yxy	86.8824, 0.3023, 0.3502
Android (android.graphics.Color)	4292212964 (0xFFD5F8E4)
YUV	235.2550, -3.5767, -19.5176
Hunter-Lab	93.2107, -19.4951, 10.4090

Details

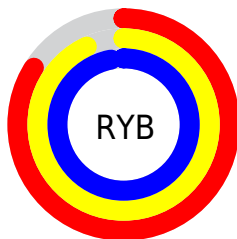
The Yxy color **86.8824, 0.3023, 0.3502** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.4019, 0.3247, 0.3087**, and the grayscale version is **83.3131, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.9855, 0.2996, 0.3551** is the 20% darker color. If you saturate the color by 10%, you get **82.7033, 0.2952, 0.3673**, and if you desaturate by 10%, it is **91.7004, 0.3096, 0.3348**.

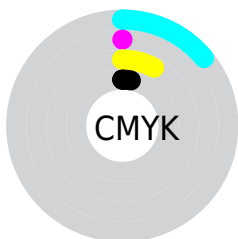
Distribution



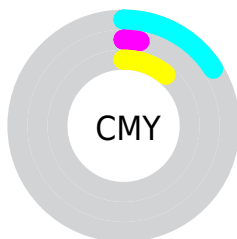
- Red (84%)
- Green (97%)
- Blue (89%)



- Red (84%)
- Yellow (93%)
- Blue (97%)



- Cyan (14%)
- Magenta (0%)
- Yellow (8%)
- Black (3%)





- Cyan (16%)
- Magenta (3%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.8824, 0.3023, 0.3502 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 86.8824, 0.3023, 0.3502 by changing the saturation by 10% instead.

 86.8824, 0.3023,
0.3502

 86.8824, 0.3023,
0.3502

517.8364, 0.3071,
0.3405

 65.3979, 0.3012,
0.3524


143.0002, 0.3039,
0.3469

 47.7838, 0.2999,
0.3550


178.4023, 0.3046,
0.3456

 33.6557, 0.2983,
0.3584

219.2124, 0.3051,
0.3445

 22.6292, 0.2961,
0.3628

265.8148, 0.3056,
0.3435

 14.3200, 0.2932,
0.3686

318.5941, 0.3060,
0.3426

 8.3435, 0.2892,
0.3770

377.9345, 0.3064,

 4.3156, 0.2829,

0.3418

0.3897

444.2204, 0.3067,
0.3412

■ 1.8516, 0.2722,
0.4117

■ 0.5190, 0.1562,
0.6464

■ 86.8824, 0.3023,
0.3502

■ 86.8824, 0.3023,
0.3502

■ 82.7033, 0.2952,
0.3673

■ 91.7004, 0.3096,
0.3348

■ 79.1247, 0.2887,
0.3862

■ 95.6270, 0.3130,
0.3223

■ 76.1212, 0.2829,
0.4067

■ 73.6609, 0.2784,
0.4284

■ 71.7090, 0.2754,
0.4509

■ 70.2261, 0.2742,
0.4735

■ 69.1669, 0.2749,
0.4955

■ 68.4763, 0.2776,
0.5159

■ 68.1967, 0.2797,
0.5270

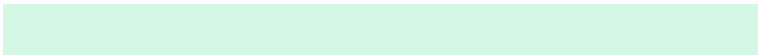
Harmonies

Analogous

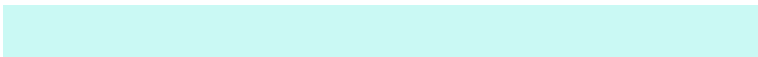
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.8824, 0.3207, 0.3599



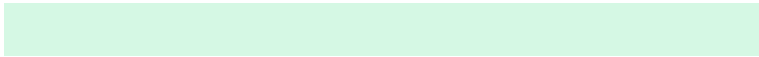
86.8824, 0.3023, 0.3502



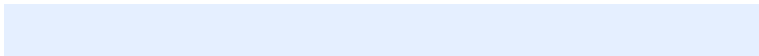
86.8824, 0.2870, 0.3344

Triad

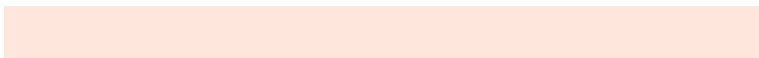
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.8824, 0.3023, 0.3502



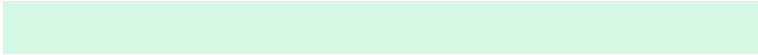
86.8824, 0.2881, 0.2984



86.8824, 0.3481, 0.3388

Complementary

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



86.8824, 0.3023, 0.3502



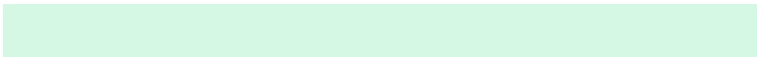
73.4019, 0.3247, 0.3087

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.



86.8824, 0.3389, 0.3230



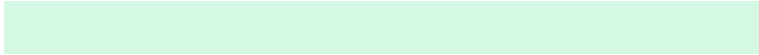
86.8824, 0.3023, 0.3502



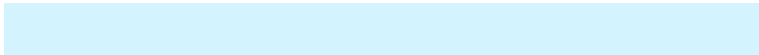
86.8824, 0.3039, 0.3002

Square

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



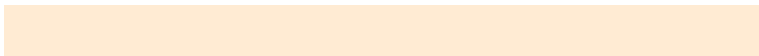
86.8824, 0.3023, 0.3502



86.8824, 0.2790, 0.3045



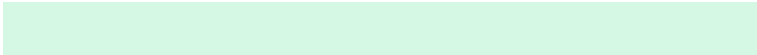
86.8824, 0.3226, 0.3091



86.8824, 0.3475, 0.3526

Rectangle

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



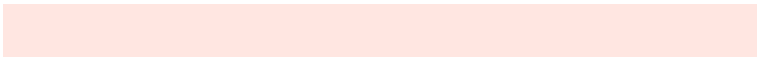
86.8824, 0.3023, 0.3502



86.8824, 0.2805, 0.3230



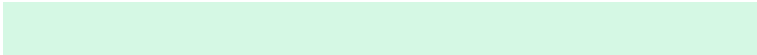
86.8824, 0.3226, 0.3091



86.8824, 0.3461, 0.3335

Sweetspot

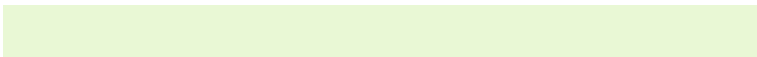
The Sweet Spot groups the original color and five complimentary colors.



86.8861, 0.3023, 0.3502



97.7472, 0.3097, 0.3347



89.3401, 0.3242, 0.3652



20.8339, 0.3092, 0.3357



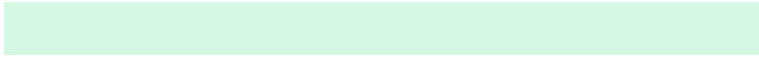
0.0000, 0.0000, 0.0000



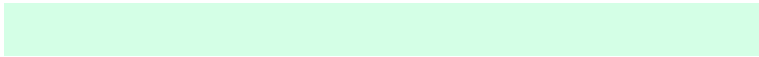
21.4041, 0.3127, 0.3290

Same Dimension

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



86.8861, 0.3023, 0.3502



91.1925, 0.3002, 0.3550



87.8833, 0.2927, 0.3320



19.4329, 0.3057, 0.3429



36.8601, 0.2789, 0.5240



3.4346, 0.2724, 0.5006

Inverse Universe

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



73.4019, 0.3247, 0.3087



74.2513, 0.3275, 0.3044



72.4716, 0.3369, 0.3261



17.3913, 0.3204, 0.3155



11.8572, 0.4663, 0.2343



1.1194, 0.4441, 0.2220

Previews

White Background



This preview shows how the Yxy color 86.8824, 0.3023, 0.3502 looks on a white background.

Color Contrast Check

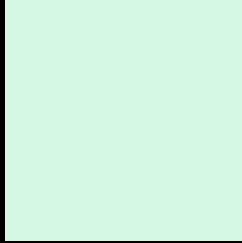
Large Text (above 18pt) WCAG AA × Fail

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 86.8824, 0.3023, 0.3502 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

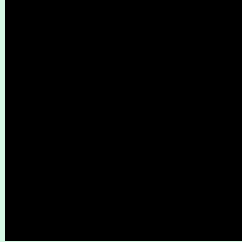
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

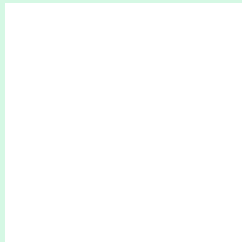
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.8824, 0.3023, 0.3502

Background



This preview shows how black text looks on a background with the Yxy color 86.8824, 0.3023, 0.3502.

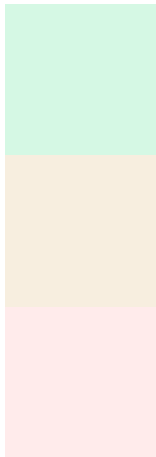


This preview shows how white text looks on a background with the Yxy color 86.8824, 0.3023, 0.3502.

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

86.8824, 0.3023, 0.3502

Protanopia

86.2509, 0.3282, 0.3441

Deuteranopia

86.6748, 0.3263, 0.3290



Tritanopia

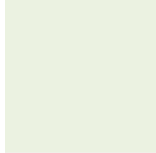
86.8930, 0.2950, 0.3158

Trichromacy



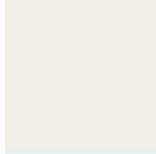
Original Color

86.8824, 0.3023, 0.3502



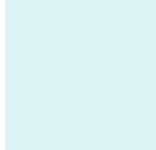
Protanomaly

86.6027, 0.3185, 0.3465



Deuteranomaly

86.6716, 0.3176, 0.3371



Tritanomaly

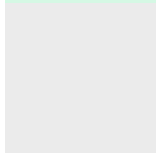
86.6661, 0.2976, 0.3279

Monochromacy



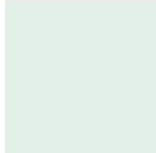
Original Color

86.8824, 0.3023, 0.3502



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

84.4773, 0.3091, 0.3373

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.8824, 0.3023, 0.3502 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(213, 248, 228)` looks like.

```
.text, #text, p{  
    color:rgb(213, 248, 228)  
}
```

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(213, 248, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 248, 228) }
```

Border

The CSS property to change the border of an element to Yxy 86.8824, 0.3023, 0.3502 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(213, 248, 228) }
```

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

```
.border{ border-color:rgb(213, 248, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 248, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 248, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 248, 228);  
box-shadow:4px 4px 4px 4px rgb(213, 248,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 86.8824, 0.3023, 0.3502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 248, 228) }
```

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

```
.background{ background-color: rgb(213,  
248, 228) }
```

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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