

Converting Colors

Yxy(86.8683, 0.2924, 0.3461)

Have a look what the booklet for
Yxy(86.8683, 0.2924, 0.3461)
contains.

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Color

Yxy(86.8683, 0.2924, 0.3461)

Conversions

Conversions Part 1

Format	Color
Hex	CAFAEA
RGB	202, 250, 234
RGB Percent	79%, 98%, 92%
CMY	0.2079, 0.0196, 0.0824
CMYK	0.19, 0.00, 0.06, 0.02
HSL	160°, 83%, 89%
HSV	160°, 19%, 98%
XYZ	73.3900, 86.8683, 90.7336
YIQ	233.8240, -23.4720, -15.1520

Conversions

Conversions Part 2

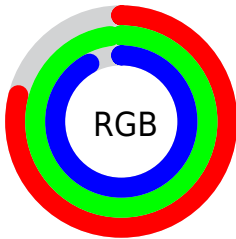
Format	Color
R _Y B	202, 231, 250
Decimal	13302506
CIE Lab	94.68, -18.37, 2.63
CIE LCh	95, 18.558, 171.865
Yxy	86.8683, 0.2924, 0.3461
Android (android.graphics.Color)	4291492586 (0xFFCAFAEA)
YUV	233.8240, 0.0868, -27.9096
Hunter-Lab	93.2032, -22.5511, 7.5232

Details

The Yxy color **86.8683, 0.2924, 0.3461** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.6234, 0.3383, 0.3126**, and the grayscale version is **82.1520, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.5573, 0.2879, 0.3499** is the 20% darker color. If you saturate the color by 10%, you get **83.1945, 0.2827, 0.3563**, and if you desaturate by 10%, it is **91.1368, 0.3028, 0.3368**.

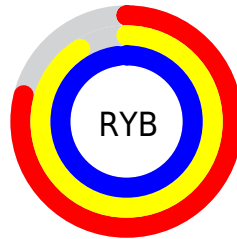
Distribution



Red (79%)

Green (98%)

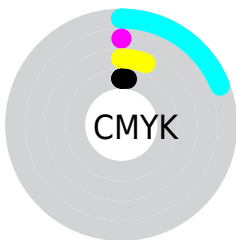
Blue (92%)



Red (79%)

Yellow (91%)

Blue (98%)

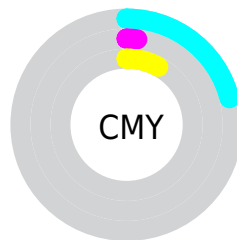


Cyan (19%)

Magenta (0%)

Yellow (6%)

Black (2%)



Cyan (21%)


Magenta (2%)


Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.8683, 0.2924, 0.3461 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 86.8683, 0.2924, 0.3461 by changing the saturation by 10% instead.

 86.8683, 0.2924,
0.3461

 86.8683, 0.2924,
0.3461


517.7900, 0.3015,
0.3384

 65.3862, 0.2904,
0.3478


142.9806, 0.2955,
0.3434

 47.7743, 0.2879,
0.3500


178.3795, 0.2968,
0.3424

 33.6482, 0.2848,
0.3526


219.1863, 0.2978,
0.3415

 22.6235, 0.2808,
0.3560

265.7851, 0.2987,
0.3407

 14.3157, 0.2755,
0.3606

318.5605, 0.2996,
0.3400

 8.3406, 0.2681,
0.3671

377.8969, 0.3003,

 4.3136, 0.2570,

0.3394

0.3769

444.1786, 0.3010,
0.3389

■ 1.8505, 0.2388,
0.3935

■ 0.5184, 0.0469,
0.5495

■ 86.8683, 0.2924,
0.3461

■ 86.8683, 0.2924,
0.3461

■ 83.1945, 0.2827,
0.3563

■ 91.1368, 0.3028,
0.3368

■ 80.0771, 0.2739,
0.3674

■ 96.0148, 0.3136,
0.3284

■ 77.4901, 0.2665,
0.3792

■ 96.8570, 0.3129,
0.3242

■ 75.4008, 0.2606,
0.3917

■ 73.7730, 0.2566,
0.4045

■ 72.5655, 0.2546,
0.4175

■ 71.7293, 0.2547,
0.4304

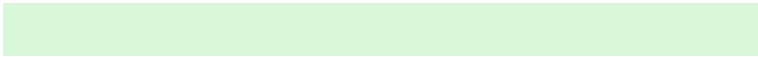
■ 71.1901, 0.2565,
0.4431

■ 71.1529, 0.2567,
0.4441

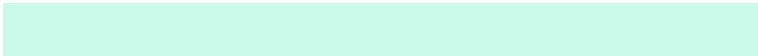
Harmonies

Analogous

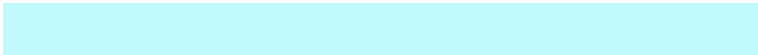
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.8683, 0.3126, 0.3610



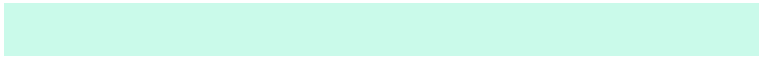
86.8683, 0.2924, 0.3461



86.8683, 0.2779, 0.3265

Triad

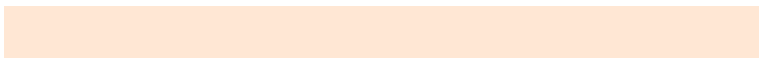
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.8683, 0.2924, 0.3461



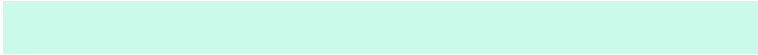
86.8683, 0.2916, 0.2938



86.8683, 0.3546, 0.3474

Complementary

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



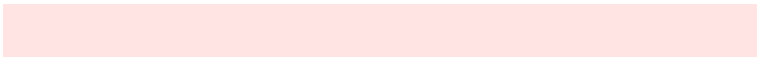
86.8683, 0.2924, 0.3461



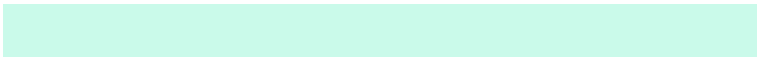
67.6234, 0.3383, 0.3126

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.



86.8683, 0.3487, 0.3298



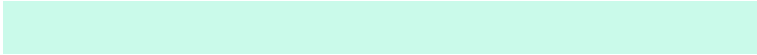
86.8683, 0.2924, 0.3461



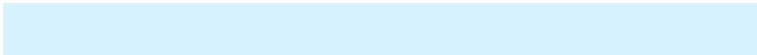
86.8683, 0.3117, 0.2996

Square

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



86.8683, 0.2924, 0.3461



86.8683, 0.2775, 0.2968



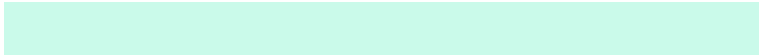
86.8683, 0.3328, 0.3126



86.8683, 0.3488, 0.3610

Rectangle

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



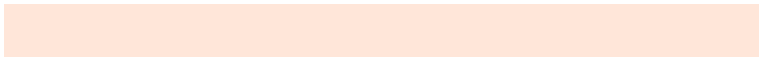
86.8683, 0.2924, 0.3461



86.8683, 0.2732, 0.3140



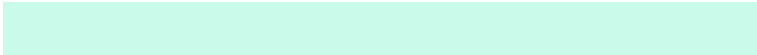
86.8683, 0.3328, 0.3126



86.8683, 0.3539, 0.3418

Sweetspot

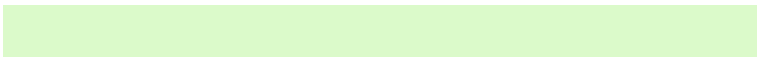
The Sweet Spot groups the original color and five complimentary colors.



86.8719, 0.2924, 0.3461



96.8884, 0.3062, 0.3340



87.6690, 0.3210, 0.3802



20.6687, 0.3055, 0.3345



0.0000, 0.0000, 0.0000



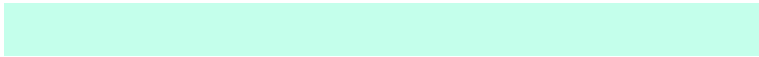
21.4041, 0.3127, 0.3290

Same Dimension

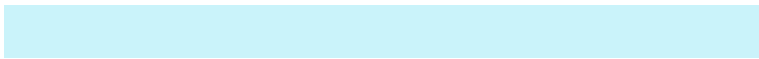
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.8719, 0.2924, 0.3461



89.3262, 0.2886, 0.3499



83.4428, 0.2834, 0.3213



19.5044, 0.3025, 0.3370



37.7664, 0.2561, 0.4420



3.5175, 0.2519, 0.4268

Inverse Universe

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



67.6234, 0.3383, 0.3126



65.8513, 0.3447, 0.3091



70.2842, 0.3493, 0.3366



17.3207, 0.3241, 0.3211



11.1387, 0.5644, 0.2883



1.0505, 0.5310, 0.2699

Previews

White Background



This preview shows how the Yxy color 86.8683, 0.2924, 0.3461 looks on a white background.

Color Contrast Check

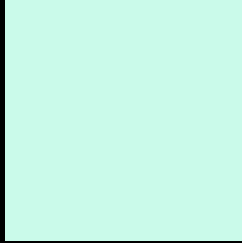
Large Text (above 18pt) WCAG AA × Fail

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 86.8683, 0.2924, 0.3461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

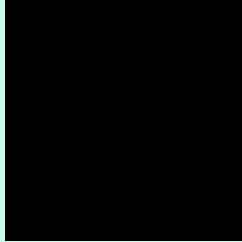
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

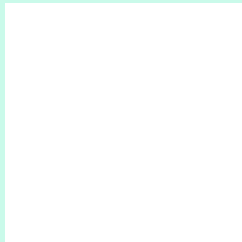
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.8683, 0.2924, 0.3461

Background



This preview shows how black text looks on a background with the Yxy color 86.8683, 0.2924, 0.3461.

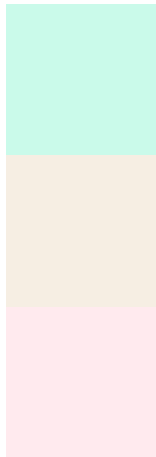


This preview shows how white text looks on a background with the Yxy color 86.8683, 0.2924, 0.3461.

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

86.8683, 0.2924, 0.3461

Protanopia

86.2880, 0.3250, 0.3401

Deuteranopia

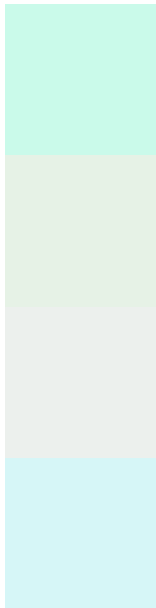
86.2787, 0.3244, 0.3251



Tritanopia

86.6933, 0.2920, 0.3167

Trichromacy



Original Color

86.8683, 0.2924, 0.3461

Protanomaly

86.0404, 0.3121, 0.3414

Deuteranomaly

86.2675, 0.3119, 0.3320

Tritanomaly

86.9231, 0.2923, 0.3279

Monochromacy



Original Color

86.8683, 0.2924, 0.3461

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

83.7903, 0.3046, 0.3353

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.8683, 0.2924, 0.3461 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(202, 250, 234)` looks like.

```
.text, #text, p{  
    color:rgb(202, 250, 234)  
}
```

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(202, 250, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 250, 234) }
```

Border

The CSS property to change the border of an element to Yxy 86.8683, 0.2924, 0.3461 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(202, 250, 234) }
```

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

```
.border{ border-color:rgb(202, 250, 234) }
```

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

Here you see how a box with a 4 pixel rgb(202, 250, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 250, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 250, 234);  
box-shadow:4px 4px 4px 4px rgb(202, 250,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 86.8683, 0.2924, 0.3461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 250, 234) }
```

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

```
.background{ background-color: rgb(202,  
250, 234) }
```

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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