

Converting Colors

$Yxy(83.9694, 0.3008, 0.3562)$

Have a look what the booklet for
Yxy(83.9694, 0.3008, 0.3562)
contains.

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Color

Yxy(83.9694, 0.3008, 0.3562)

Conversions

Conversions Part 1

Format	Color
Hex	CCF6DD
RGB	204, 246, 221
RGB Percent	80%, 96%, 87%
CMY	0.1999, 0.0353, 0.1334
CMYK	0.17, 0.00, 0.10, 0.04
HSL	144°, 70%, 88%
HSV	144°, 17%, 96%
XYZ	70.9096, 83.9694, 80.8577
YIQ	230.5920, -17.0070, -16.6790

Conversions

Conversions Part 2

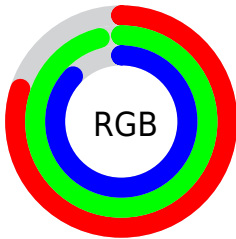
Format	Color
RYB	204, 234, 246
Decimal	13432541
CIELab	93.44, -18.23, 7.57
CIELCh	93, 19.741, 157.447
Yxy	83.9694, 0.3008, 0.3562
Android (android.graphics.Color)	4291622621 (0xFFCCCF6DD)
YUV	230.5920, -4.7289, -23.3212
Hunter-Lab	91.6348, -22.2326, 11.8275

Details

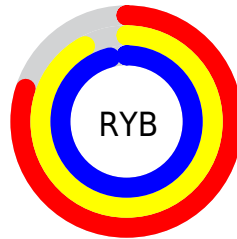
The Yxy color **83.9694, 0.3008, 0.3562** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.4487, 0.3268, 0.3033**, and the grayscale version is **79.6407, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.9696, 0.2977, 0.3630** is the 20% darker color. If you saturate the color by 10%, you get **80.0187, 0.2942, 0.3747**, and if you desaturate by 10%, it is **88.5445, 0.3077, 0.3396**.

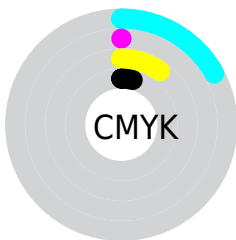
Distribution



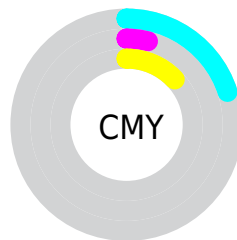
- Red (80%)
- Green (96%)
- Blue (87%)



- Red (80%)
- Yellow (92%)
- Blue (96%)



- Cyan (17%)
- Magenta (0%)
- Yellow (10%)
- Black (4%)




- Cyan (20%)
- Magenta (4%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.9694, 0.3008, 0.3562 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 83.9694, 0.3008, 0.3562 by changing the saturation by 10% instead.


 83.9694, 0.3008,
0.3562

 83.9694, 0.3008,
0.3562


508.2116, 0.3063,
0.3437

 62.9902, 0.2995,
0.3591


138.9324, 0.3027,
0.3519

 45.8333, 0.2980,
0.3626


173.6849, 0.3035,
0.3502

 32.1143, 0.2960,
0.3670


213.7973, 0.3041,
0.3487

 21.4488, 0.2935,
0.3728

259.6540, 0.3046,
0.3474

 13.4524, 0.2900,
0.3807

311.6394, 0.3051,
0.3463

 7.7408, 0.2850,
0.3921

370.1379, 0.3056,

 3.9296, 0.2771,

0.3453

0.4098

435.5338, 0.3060,
0.3445

1.6342, 0.2632,
0.4410

0.3805, 0.0000,
1.0000

83.9694, 0.3008,
0.3562

83.9694, 0.3008,
0.3562

80.0187, 0.2942,
0.3747

88.5445, 0.3077,
0.3396

76.6543, 0.2881,
0.3950

93.7591, 0.3148,
0.3249

73.8502, 0.2829,
0.4168

94.3936, 0.3131,
0.3204

71.5742, 0.2790,
0.4398

■ 69.7906, 0.2767,
0.4634

■ 68.4593, 0.2762,
0.4867

■ 67.5332, 0.2776,
0.5089

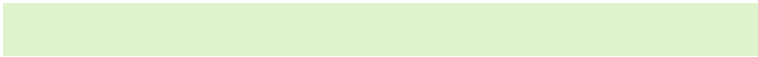
■ 66.9525, 0.2808,
0.5291

■ 66.8210, 0.2819,
0.5347

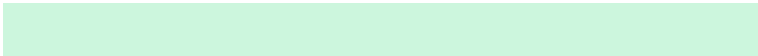
Harmonies

Analogous

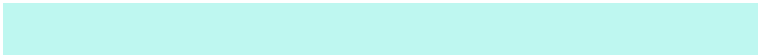
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.9694, 0.3235, 0.3678



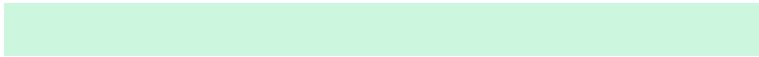
83.9694, 0.3008, 0.3562



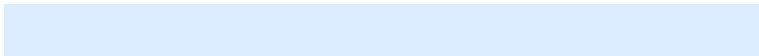
83.9694, 0.2817, 0.3366

Triad

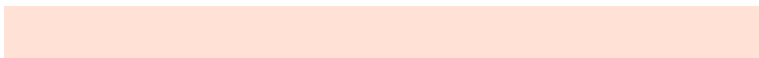
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.9694, 0.3008, 0.3562



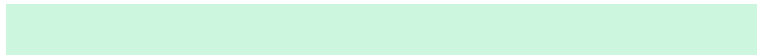
83.9694, 0.2816, 0.2915



83.9694, 0.3563, 0.3399

Complementary

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



83.9694, 0.3008, 0.3562



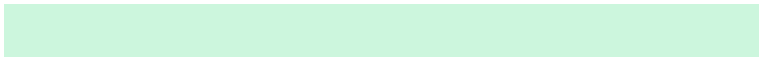
68.4487, 0.3268, 0.3033

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.



83.9694, 0.3443, 0.3206



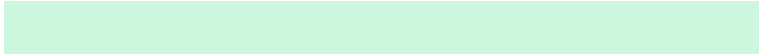
83.9694, 0.3008, 0.3562



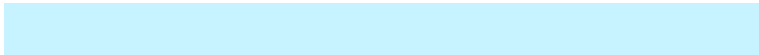
83.9694, 0.3007, 0.2934

Square

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



83.9694, 0.3008, 0.3562



83.9694, 0.2710, 0.2993



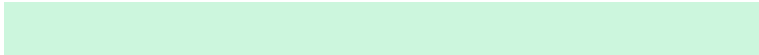
83.9694, 0.3237, 0.3039



83.9694, 0.3561, 0.3572

Rectangle

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



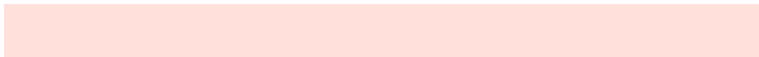
83.9694, 0.3008, 0.3562



83.9694, 0.2735, 0.3223



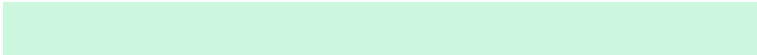
83.9694, 0.3237, 0.3039



83.9694, 0.3536, 0.3334

Sweetspot

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



83.9729, 0.3008, 0.3562



97.1816, 0.3092, 0.3364



86.9668, 0.3270, 0.3731



20.7191, 0.3087, 0.3375



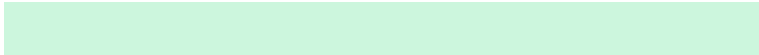
0.0000, 0.0000, 0.0000



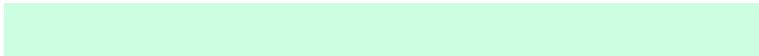
21.4041, 0.3127, 0.3290

Same Dimension

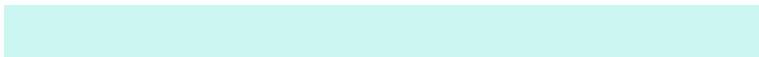
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.9729, 0.3008, 0.3562



89.7715, 0.2988, 0.3615



85.1529, 0.2892, 0.3334



18.5829, 0.3060, 0.3434



35.6914, 0.2810, 0.5316



3.1567, 0.2741, 0.5066

Inverse Universe

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



68.4487, 0.3268, 0.3033



70.4095, 0.3297, 0.2986



67.3537, 0.3423, 0.3247



16.6484, 0.3200, 0.3150



11.6051, 0.4557, 0.2284



1.0403, 0.4341, 0.2165

Previews

White Background



This preview shows how the Yxy color 83.9694, 0.3008, 0.3562 looks on a white background.

Color Contrast Check

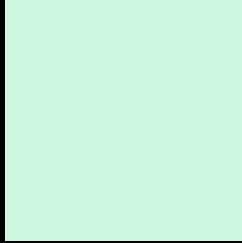
Large Text (above 18pt) WCAG AA × Fail

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 83.9694, 0.3008, 0.3562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

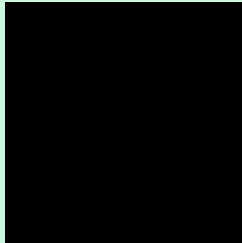
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

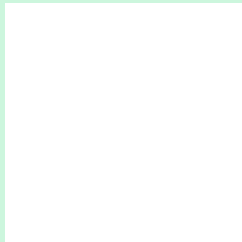
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.9694, 0.3008, 0.3562

Background



This preview shows how black text looks on a background with the Yxy color 83.9694, 0.3008, 0.3562.

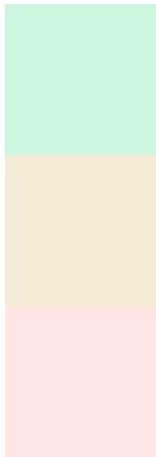


This preview shows how white text looks on a background with the Yxy color 83.9694, 0.3008, 0.3562.

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

83.9694, 0.3008, 0.3562

Protanopia

83.7354, 0.3323, 0.3494

Deuteranopia

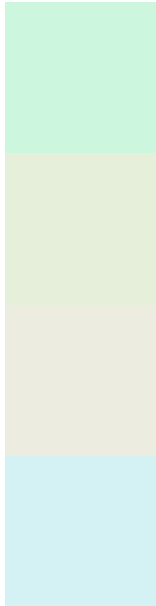
83.4551, 0.3314, 0.3310



Tritanopia

83.5519, 0.2888, 0.3124

Trichromacy



Original Color

83.9694, 0.3008, 0.3562

Protanomaly

83.5658, 0.3203, 0.3521

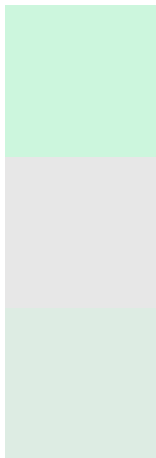
Deuteranomaly

83.2600, 0.3196, 0.3404

Tritanomaly

83.9724, 0.2932, 0.3279

Monochromacy



Original Color

83.9694, 0.3008, 0.3562

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.9091, 0.3083, 0.3385

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.9694, 0.3008, 0.3562 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(204, 246, 221)` looks like.

```
.text, #text, p{  
    color:rgb(204, 246, 221)  
}
```

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(204, 246, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 246, 221) }
```

Border

The CSS property to change the border of an element to Yxy 83.9694, 0.3008, 0.3562 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(204, 246, 221) }
```

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

```
.border{ border-color:rgb(204, 246, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 246, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 246, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 246, 221);  
box-shadow:4px 4px 4px 4px rgb(204, 246,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 83.9694, 0.3008, 0.3562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 246, 221) }
```

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

```
.background{ background-color: rgb(204,  
246, 221) }
```

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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