

Converting Colors

$Yxy(78.4480, 0.3157, 0.3771)$

Have a look what the booklet for
Yxy(78.4480, 0.3157, 0.3771)
contains.

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Color

Yxy(78.5559, 0.3157, 0.3773)

Conversions

Conversions Part 1

Format	Color
Hex	CCEFC4
RGB	204, 239, 196
RGB Percent	80%, 94%, 77%
CMY	0.2000, 0.0627, 0.2314
CMYK	0.15, 0.00, 0.18, 0.06
HSL	109°, 57%, 85%
HSV	109°, 18%, 94%
XYZ	65.7304, 78.5559, 63.9191
YIQ	223.6330, -7.0570, -20.7930

Conversions

Conversions Part 2

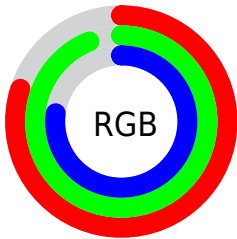
Format	Color
RYB	196, 239, 231
Decimal	13430724
CIELab	91.03, -19.19, 17.08
CIELCh	91, 25.687, 138.334
Yxy	78.5559, 0.3157, 0.3773
Android (android.graphics.Color)	4291620804 (0xFFCCEFC4)
YUV	223.6330, -13.6231, -17.2181
Hunter-Lab	88.6318, -22.7277, 19.2837

Details

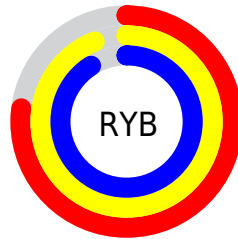
The Yxy color **78.5559, 0.3157, 0.3773** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **62.7002, 0.3087, 0.2835**, and the grayscale version is **74.3695, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8718, 0.3139, 0.3309**, and **42.2095, 0.3157, 0.3895** is the 20% darker color. If you saturate the color by 10%, you get **74.9766, 0.3170, 0.4082**, and if you desaturate by 10%, it is **82.6587, 0.3141, 0.3492**.

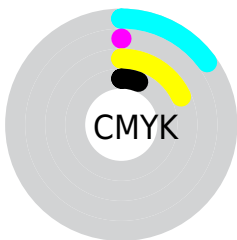
Distribution



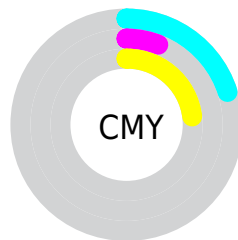
- Red (80%)
- Green (94%)
- Blue (77%)



- Red (77%)
- Yellow (94%)
- Blue (91%)



- Cyan (15%)
- Magenta (0%)
- Yellow (18%)
- Black (6%)



- Cyan (20%)
- Magenta (6%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.5559, 0.3157, 0.3773 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 78.5559, 0.3157, 0.3773 by changing the saturation by 10% instead.

■ 78.5559, 0.3157,
0.3773

■ 78.5559, 0.3157,
0.3773

490.0527, 0.3147,
0.3546

■ 58.5307, 0.3158,
0.3826

131.3335, 0.3154,
0.3693

■ 42.2355, 0.3160,
0.3891

164.8547, 0.3153,
0.3663

■ 29.2857, 0.3160,
0.3975

203.6434, 0.3152,
0.3636

■ 19.2971, 0.3160,
0.4086

248.0839, 0.3151,
0.3613

■ 11.8851, 0.3157,
0.4239

298.5607, 0.3150,
0.3593

■ 6.6655, 0.3147,
0.4462


355.4582, 0.3149,


■ 3.2538, 0.3119,


0.3576


0.4819

419.1607, 0.3148,
0.3560

 1.2656, 0.3307,
0.6044

 0.1144, 0.0000,
1.0000

 78.5559, 0.3157,
0.3773

 78.5559, 0.3157,
0.3773


 74.9766, 0.3170,
0.4082


 82.6587, 0.3141,
0.3492

 71.8900, 0.3178,
0.4413

 87.2945, 0.3124,
0.3242

 69.2770, 0.3179,
0.4755

 90.2172, 0.3134,
0.3136

 67.1139, 0.3172,
0.5091

■ 65.3744, 0.3155,
0.5397

■ 64.0295, 0.3130,
0.5652

■ 63.0465, 0.3096,
0.5835

■ 62.3847, 0.3060,
0.5941

■ 62.2828, 0.3054,
0.5957

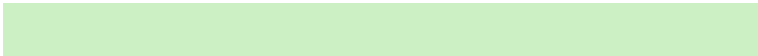
Harmonies

Analogous

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



78.5559, 0.3449, 0.3827



78.5559, 0.3157, 0.3773



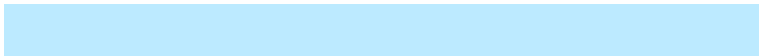
78.5559, 0.2866, 0.3568

Triad

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



78.5559, 0.3157, 0.3773



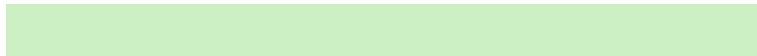
78.5559, 0.2613, 0.2844



78.5559, 0.3624, 0.3267

Complementary

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



78.5559, 0.3157, 0.3773



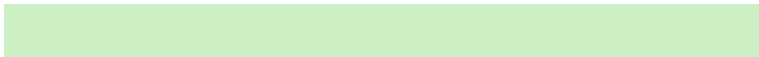
62.7002, 0.3087, 0.2835

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.



78.5559, 0.3380, 0.3032



78.5559, 0.3157, 0.3773



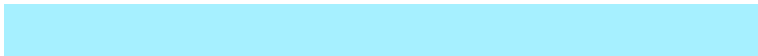
78.5559, 0.2796, 0.2792

Square

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



78.5559, 0.3157, 0.3773



78.5559, 0.2561, 0.3018



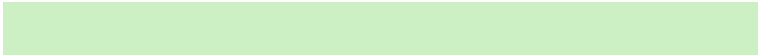
78.5559, 0.3074, 0.2862



78.5559, 0.3728, 0.3517

Rectangle

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



78.5559, 0.3157, 0.3773



78.5559, 0.2711, 0.3381



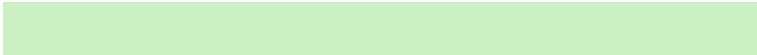
78.5559, 0.3074, 0.2862



78.5559, 0.3555, 0.3184

Sweetspot

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



78.5593, 0.3157, 0.3773



97.2903, 0.3136, 0.3415



79.1565, 0.3413, 0.3652



20.7453, 0.3137, 0.3433



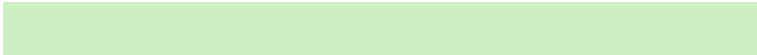
0.0000, 0.0000, 0.0000



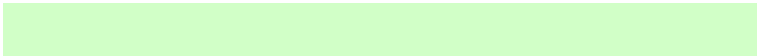
21.4041, 0.3127, 0.3290

Same Dimension

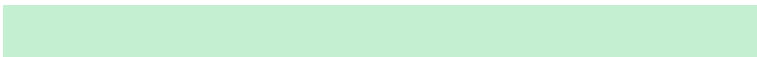
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.5593, 0.3157, 0.3773



89.2431, 0.3163, 0.3896



78.0708, 0.3028, 0.3630



17.7978, 0.3144, 0.3532



34.4577, 0.3061, 0.5952



2.9054, 0.3141, 0.5888

Inverse Universe

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



62.7002, 0.3087, 0.2835



67.3552, 0.3076, 0.2728



63.3264, 0.3243, 0.2973



15.8741, 0.3108, 0.3055



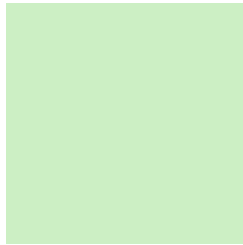
9.8759, 0.2743, 0.1284



0.8596, 0.2807, 0.1320

Previews

White Background



This preview shows how the Yxy color 78.5559, 0.3157, 0.3773 looks on a white background.

Color Contrast Check

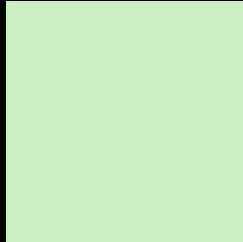
Large Text (above 18pt) WCAG AA × Fail

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 78.5559, 0.3157, 0.3773 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

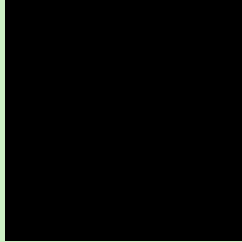
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

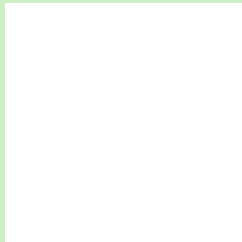
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.5559, 0.3157, 0.3773

Background



This preview shows how black text looks on a background with the Yxy color 78.5559, 0.3157, 0.3773.

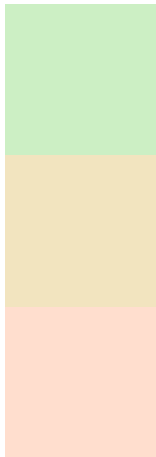


This preview shows how white text looks on a background with the Yxy color 78.5559, 0.3157, 0.3773.

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

78.5559, 0.3157, 0.3773

Protanopia

78.1256, 0.3473, 0.3679

Deuteranopia

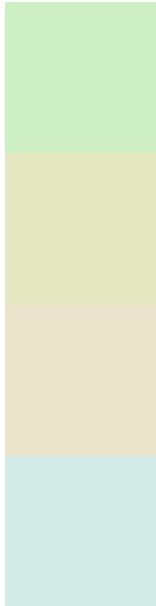
77.9588, 0.3477, 0.3453



Tritanopia

78.7615, 0.2895, 0.3100

Trichromacy



Original Color

78.5559, 0.3157, 0.3773

Protanomaly

78.0575, 0.3351, 0.3711

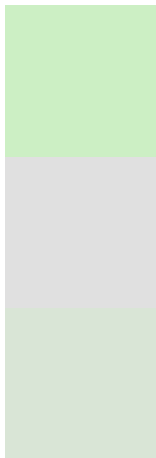
Deuteranomaly

77.5839, 0.3355, 0.3566

Tritanomaly

78.8315, 0.2993, 0.3344

Monochromacy



Original Color

78.5559, 0.3157, 0.3773

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

75.6454, 0.3140, 0.3454

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.5559, 0.3157, 0.3773 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, 239, 196)` looks like.

```
.text, #text, p{  
    color:rgb(204, 239, 196)  
}
```

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, 239, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 239, 196) }
```

Border

The CSS property to change the border of an element to Yxy 78.5559, 0.3157, 0.3773 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, 239, 196) }
```

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

```
.border{ border-color:rgb(204, 239, 196) }
```

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

Here you see how a box with a 4 pixel rgb(204, 239, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 239, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 239, 196);  
box-shadow:4px 4px 4px 4px rgb(204, 239,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 78.5559, 0.3157, 0.3773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 239, 196) }
```

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

```
.background{ background-color: rgb(204,  
239, 196) }
```

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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