

Converting Colors

$Yxy(77.8451, 0.3103, 0.3739)$

Have a look what the booklet for
Yxy(77.8451, 0.3103, 0.3739)
contains.

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Color

Yxy(77.9986, 0.3106, 0.3743)

Conversions

Conversions Part 1

Format	Color
Hex	C7EFC7
RGB	199, 239, 199
RGB Percent	78%, 94%, 78%
CMY	0.2196, 0.0627, 0.2197
CMYK	0.17, 0.00, 0.17, 0.06
HSL	120°, 56%, 86%
HSV	120°, 17%, 94%
XYZ	64.7245, 77.9986, 65.6622
YIQ	222.4800, -11.0000, -20.9200

Conversions

Conversions Part 2

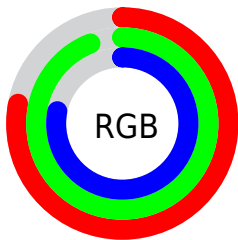
Format	Color
R _Y B	199, 239, 239
Decimal	13103047
CIE Lab	90.78, -20.36, 15.13
CIE LCh	91, 25.369, 143.387
Yxy	77.9986, 0.3106, 0.3743
Android (android.graphics.Color)	4291293127 (0xFFC7EFC7)
YUV	222.4800, -11.5756, -20.5920
Hunter-Lab	88.3168, -23.7377, 17.7406

Details

The Yxy color **77.9986, 0.3106, 0.3743** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **65.4192, 0.3147, 0.2875**, and the grayscale version is **73.4930, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.9310, 0.3101, 0.3855** is the 20% darker color. If you saturate the color by 10%, you get **73.9621, 0.3091, 0.4060**, and if you desaturate by 10%, it is **82.7292, 0.3119, 0.3461**.

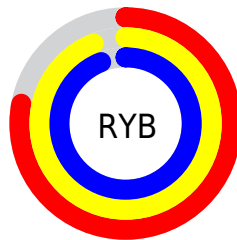
Distribution



Red (78%)

Green (94%)

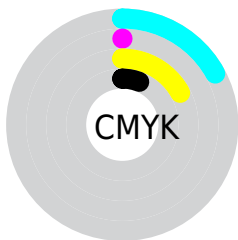
Blue (78%)



Red (78%)

Yellow (94%)

Blue (94%)

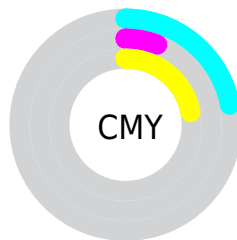


Cyan (17%)

Magenta (0%)

Yellow (17%)

Black (6%)



Cyan (22%)

Magenta (6%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.9986, 0.3106, 0.3743 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 77.9986, 0.3106, 0.3743 by changing the saturation by 10% instead.

■ 77.9986, 0.3106,
0.3743

■ 77.9986, 0.3106,
0.3743

488.1621, 0.3119,
0.3530

■ 58.0728, 0.3102,
0.3793

130.5481, 0.3111,
0.3668

■ 41.8672, 0.3097,
0.3855

163.9407, 0.3113,
0.3639

■ 28.9973, 0.3090,
0.3934

202.5910, 0.3114,
0.3615

■ 19.0788, 0.3080,
0.4038

246.8834, 0.3116,
0.3593

■ 11.7272, 0.3064,
0.4183

297.2023, 0.3117,
0.3574

■ 6.5582, 0.3036,
0.4397


353.9321, 0.3117,


■ 3.1874, 0.2982,


0.3558


0.4740


417.4573, 0.3118,
0.3543


 1.2303, 0.3021,
0.5834


 0.0863, 0.0000,
1.0000


 77.9986, 0.3106,
0.3743


 77.9986, 0.3106,
0.3743


 73.9621, 0.3091,
0.4060


 82.7292, 0.3119,
0.3461

 70.5776, 0.3075,
0.4405

 88.1739, 0.3131,
0.3213

 67.8141, 0.3058,
0.4766

 90.2184, 0.3134,
0.3136

 65.6338, 0.3041,
0.5121

■ 63.9949, 0.3026,
0.5445

■ 62.8501, 0.3014,
0.5708

■ 62.1439, 0.3005,
0.5889

■ 61.8061, 0.3001,
0.5981

■ 61.7389, 0.3000,
0.6000

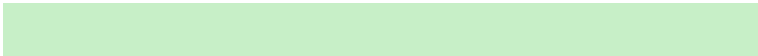
Harmonies

Analogous

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



77.9986, 0.3401, 0.3824



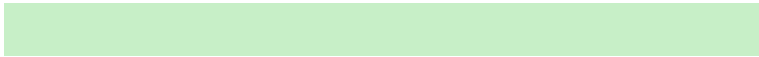
77.9986, 0.3106, 0.3743



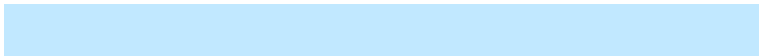
77.9986, 0.2826, 0.3520

Triad

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



77.9986, 0.3106, 0.3743



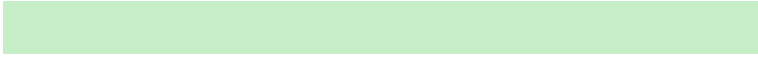
77.9986, 0.2640, 0.2831



77.9986, 0.3647, 0.3309

Complementary

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



77.9986, 0.3106, 0.3743



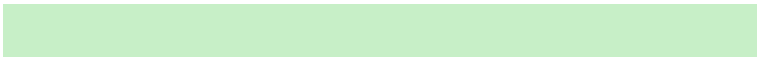
65.4192, 0.3147, 0.2875

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.



77.9986, 0.3425, 0.3071



77.9986, 0.3106, 0.3743



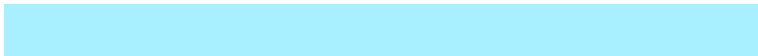
77.9986, 0.2840, 0.2801

Square

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



77.9986, 0.3106, 0.3743



77.9986, 0.2565, 0.2984



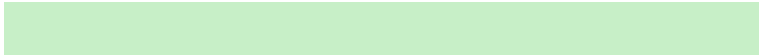
77.9986, 0.3126, 0.2888



77.9986, 0.3723, 0.3554

Rectangle

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



77.9986, 0.3106, 0.3743



77.9986, 0.2684, 0.3331



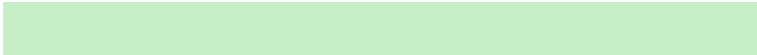
77.9986, 0.3126, 0.2888



77.9986, 0.3587, 0.3226

Sweetspot

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



78.0019, 0.3106, 0.3743



96.8682, 0.3121, 0.3415



83.8232, 0.3380, 0.3700



20.6432, 0.3120, 0.3434



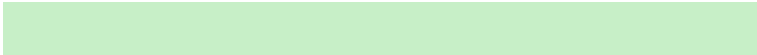
0.0000, 0.0000, 0.0000



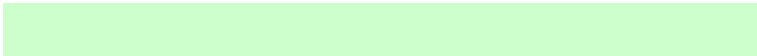
21.4041, 0.3127, 0.3290

Same Dimension

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



78.0019, 0.3106, 0.3743



88.7195, 0.3101, 0.3845



78.9566, 0.2992, 0.3520



17.6567, 0.3116, 0.3534



34.1154, 0.3000, 0.6000



2.8382, 0.3000, 0.6000

Inverse Universe

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



65.4192, 0.3147, 0.2875



71.6623, 0.3150, 0.2792



64.3384, 0.3288, 0.3071



16.0311, 0.3138, 0.3057



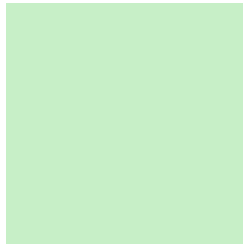
13.5770, 0.3208, 0.1541



1.1296, 0.3208, 0.1541

Previews

White Background



This preview shows how the Yxy color 77.9986, 0.3106, 0.3743 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 77.9986, 0.3106, 0.3743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

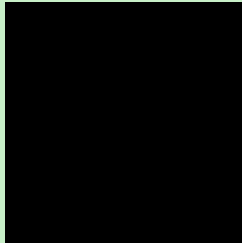
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

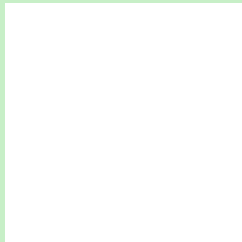
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.9986, 0.3106, 0.3743

Background



This preview shows how black text looks on a background with the Yxy color 77.9986, 0.3106, 0.3743.

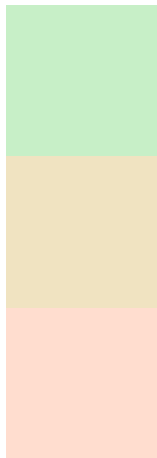


This preview shows how white text looks on a background with the Yxy color 77.9986, 0.3106, 0.3743.

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

77.9986, 0.3106, 0.3743

Protanopia

77.3137, 0.3447, 0.3649

Deuteranopia

77.4779, 0.3472, 0.3433



Tritanopia

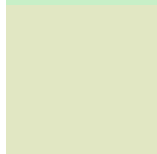
78.0252, 0.2864, 0.3098

Trichromacy



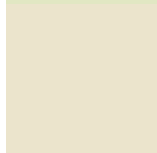
Original Color

77.9986, 0.3106, 0.3743



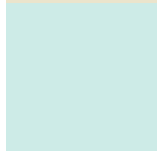
Protanomaly

77.0995, 0.3318, 0.3681



Deuteranomaly

77.5086, 0.3334, 0.3545



Tritanomaly

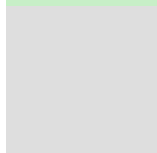
78.1653, 0.2955, 0.3333

Monochromacy



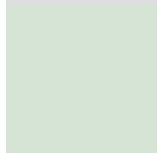
Original Color

77.9986, 0.3106, 0.3743



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

74.6380, 0.3120, 0.3444

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.9986, 0.3106, 0.3743 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(199, 239, 199)` looks like.

```
.text, #text, p{  
    color:rgb(199, 239, 199)  
}
```

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(199, 239, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 239, 199) }
```

Border

The CSS property to change the border of an element to Yxy 77.9986, 0.3106, 0.3743 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(199, 239, 199) }
```

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

```
.border{ border-color:rgb(199, 239, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 239, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 239, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 239, 199);  
box-shadow:4px 4px 4px 4px rgb(199, 239,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 77.9986, 0.3106, 0.3743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 239, 199) }
```

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

```
.background{ background-color: rgb(199,  
239, 199) }
```

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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