

Converting Colors

Yxy(78.9746, 0.3006, 0.3493)

Have a look what the booklet for
Yxy(78.9746, 0.3006, 0.3493)
contains.

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Color

Yxy(78.8729, 0.3001, 0.3489)

Conversions

Conversions Part 1

Format	Color
Hex	CAEEDC
RGB	202, 238, 220
RGB Percent	79%, 93%, 86%
CMY	0.2080, 0.0666, 0.1373
CMYK	0.15, 0.00, 0.08, 0.07
HSL	150°, 51%, 86%
HSV	150°, 15%, 93%
XYZ	67.8411, 78.8729, 79.3476
YIQ	225.1840, -15.6780, -13.2300

Conversions

Conversions Part 2

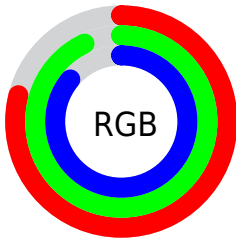
Format	Color
R _Y B	202, 226, 238
Decimal	13299420
CIE Lab	91.18, -15.13, 4.81
CIE LCh	91, 15.872, 162.364
Yxy	78.8729, 0.3001, 0.3489
Android (android.graphics.Color)	4291489500 (0xFFCAEEDC)
YUV	225.1840, -2.5557, -20.3324
Hunter-Lab	88.8104, -19.0645, 9.1947

Details

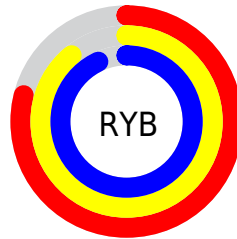
The Yxy color **78.8729, 0.3001, 0.3489** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.5720, 0.3275, 0.3099**, and the grayscale version is **75.4585, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.4684, 0.2975, 0.3536** is the 20% darker color. If you saturate the color by 10%, you get **75.2004, 0.2922, 0.3639**, and if you desaturate by 10%, it is **83.1090, 0.3084, 0.3354**.

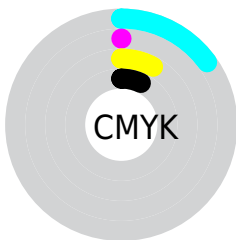
Distribution



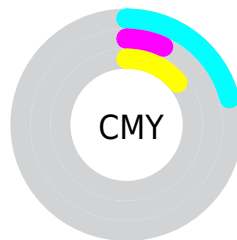
- Red (79%)
- Green (93%)
- Blue (86%)



- Red (79%)
- Yellow (89%)
- Blue (93%)



- Cyan (15%)
- Magenta (0%)
- Yellow (8%)
- Black (7%)





- Cyan (21%)
- Magenta (7%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.8729, 0.3001, 0.3489 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 78.8729, 0.3001, 0.3489 by changing the saturation by 10% instead.

 78.8729, 0.3001,
0.3489

 78.8729, 0.3001,
0.3489

491.1263, 0.3059,
0.3397

 58.7913, 0.2988,
0.3510


131.7799, 0.3021,
0.3457

 42.4452, 0.2971,
0.3536


165.3741, 0.3029,
0.3445

 29.4500, 0.2951,
0.3569


204.2414, 0.3036,
0.3434

 19.4215, 0.2923,
0.3613

248.7660, 0.3042,
0.3425

 11.9752, 0.2886,
0.3672

299.3324, 0.3047,
0.3416

 6.7268, 0.2833,
0.3758

356.3250, 0.3052,

 3.2919, 0.2749,

0.3409

0.3895

420.1281, 0.3056,
0.3403

1.2859, 0.2599,
0.4142

0.1303, 0.0000,
1.0000

78.8729, 0.3001,
0.3489

78.8729, 0.3001,
0.3489

75.2004, 0.2922,
0.3639

83.1090, 0.3084,
0.3354

72.0572, 0.2849,
0.3804

87.9214, 0.3168,
0.3233

69.4204, 0.2785,
0.3983

89.6378, 0.3135,
0.3127

67.2616, 0.2735,
0.4172

■ 65.5494, 0.2701,
0.4368

■ 64.2484, 0.2685,
0.4567

■ 63.3178, 0.2691,
0.4762

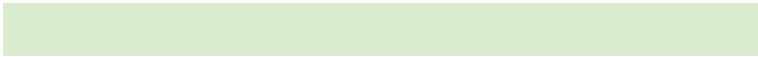
■ 62.7072, 0.2715,
0.4948

■ 62.4892, 0.2732,
0.5035

Harmonies

Analogous

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



78.8729, 0.3187, 0.3597



78.8729, 0.3001, 0.3489



78.8729, 0.2852, 0.3325

Triad

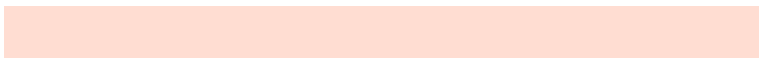
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.8729, 0.3001, 0.3489



78.8729, 0.2893, 0.2978



78.8729, 0.3491, 0.3407

Complementary

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



78.8729, 0.3001, 0.3489



65.5720, 0.3275, 0.3099

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.



78.8729, 0.3408, 0.3248



78.8729, 0.3001, 0.3489



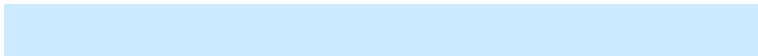
78.8729, 0.3059, 0.3005

Square

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



78.8729, 0.3001, 0.3489



78.8729, 0.2791, 0.3030



78.8729, 0.3248, 0.3103



78.8729, 0.3473, 0.3542

Rectangle

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



78.8729, 0.3001, 0.3489



78.8729, 0.2792, 0.3209



78.8729, 0.3248, 0.3103



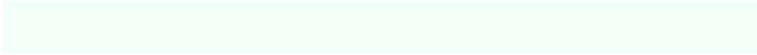
78.8729, 0.3474, 0.3354

Sweetspot

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



78.8762, 0.3001, 0.3489



97.2576, 0.3085, 0.3352



80.7286, 0.3234, 0.3680



20.7376, 0.3079, 0.3361



0.0000, 0.0000, 0.0000



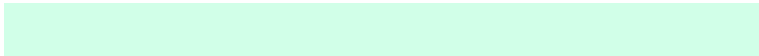
21.4041, 0.3127, 0.3290

Same Dimension

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



78.8762, 0.3001, 0.3489



90.9186, 0.2977, 0.3531



79.8483, 0.2901, 0.3296



17.7882, 0.3048, 0.3411



34.8838, 0.2724, 0.5007



2.9221, 0.2657, 0.4766

Inverse Universe

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



65.5720, 0.3275, 0.3099



72.7394, 0.3309, 0.3061



64.6961, 0.3407, 0.3284



15.8907, 0.3215, 0.3172



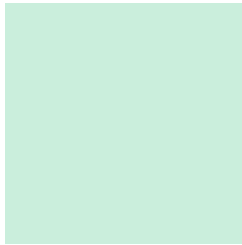
10.9106, 0.4958, 0.2505



0.9278, 0.4665, 0.2344

Previews

White Background



This preview shows how the Yxy color 78.8729, 0.3001, 0.3489 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 78.8729, 0.3001, 0.3489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

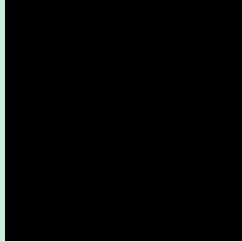
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

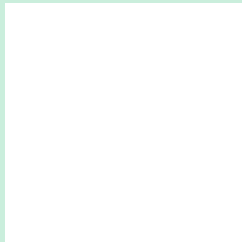
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.8729, 0.3001, 0.3489

Background



This preview shows how black text looks on a background with the Yxy color 78.8729, 0.3001, 0.3489.

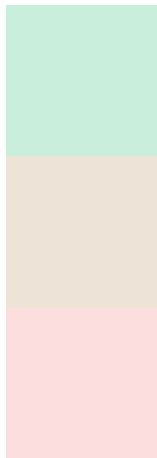


This preview shows how white text looks on a background with the Yxy color 78.8729, 0.3001, 0.3489.

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

78.8729, 0.3001, 0.3489

Protanopia

78.3976, 0.3275, 0.3426

Deuteranopia

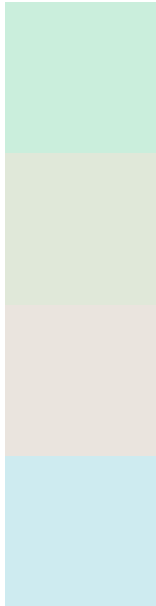
78.4529, 0.3343, 0.3281



Tritanopia

78.7160, 0.2853, 0.3088

Trichromacy



Original Color

78.8729, 0.3001, 0.3489

Protanomaly

78.5703, 0.3167, 0.3451

Deuteranomaly

78.2532, 0.3208, 0.3353

Tritanomaly

78.8297, 0.2910, 0.3236

Monochromacy



Original Color

78.8729, 0.3001, 0.3489

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

76.6731, 0.3083, 0.3366

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.8729, 0.3001, 0.3489 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, 238, 220)` looks like.

```
.text, #text, p{  
    color:rgb(202, 238, 220)  
}
```

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, 238, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 238, 220) }
```

Border

The CSS property to change the border of an element to Yxy 78.8729, 0.3001, 0.3489 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, 238, 220) }
```

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

```
.border{ border-color:rgb(202, 238, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 238, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 238, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 238, 220);  
box-shadow:4px 4px 4px 4px rgb(202, 238,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 78.8729, 0.3001, 0.3489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 238, 220) }
```

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

```
.background{ background-color: rgb(202,  
238, 220) }
```

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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