

Converting Colors

$Yxy(76.8670, 0.2999, 0.3442)$

Have a look what the booklet for
Yxy(76.8670, 0.2999, 0.3442)
contains.

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Color

Yxy(76.6227, 0.2995, 0.3434)

Conversions

Conversions Part 1

Format	Color
Hex	CAEADD
RGB	202, 234, 221
RGB Percent	79%, 92%, 87%
CMY	0.2079, 0.0823, 0.1333
CMYK	0.14, 0.00, 0.06, 0.08
HSL	156°, 43%, 85%
HSV	156°, 14%, 92%
XYZ	66.8273, 76.6227, 79.6796
YIQ	222.9500, -14.8990, -10.8270

Conversions

Conversions Part 2

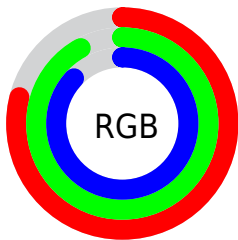
Format	Color
R _Y B	202, 222, 234
Decimal	13298397
CIE Lab	90.15, -12.93, 2.78
CIE LCh	90, 13.224, 167.847
Yxy	76.6227, 0.2995, 0.3434
Android (android.graphics.Color)	4291488477 (0xFFCAEADD)
YUV	222.9500, -0.9613, -18.3731
Hunter-Lab	87.5344, -16.9110, 7.3044

Details

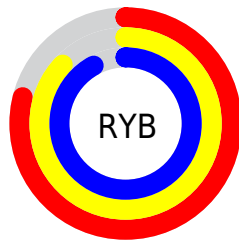
The Yxy color **76.6227, 0.2995, 0.3434** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.6304, 0.3281, 0.3150**, and the grayscale version is **73.7691, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.8899, 0.2967, 0.3464** is the 20% darker color. If you saturate the color by 10%, you get **73.1137, 0.2903, 0.3553**, and if you desaturate by 10%, it is **80.6617, 0.3091, 0.3327**.

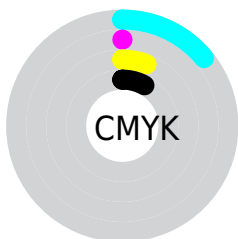
Distribution



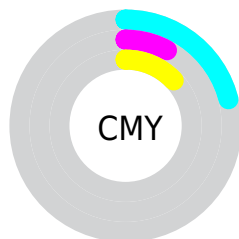
- Red (79%)
- Green (92%)
- Blue (87%)



- Red (79%)
- Yellow (87%)
- Blue (92%)



- Cyan (14%)
- Magenta (0%)
- Yellow (6%)
- Black (8%)



- Cyan (21%)
- Magenta (8%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.6227, 0.2995, 0.3434 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 76.6227, 0.2995, 0.3434 by changing the saturation by 10% instead.

■ 76.6227, 0.2995,
0.3434

■ 76.6227, 0.2995,
0.3434

483.4767, 0.3056,
0.3367

■ 56.9433, 0.2981,
0.3449

128.6067, 0.3016,
0.3411

■ 40.9597, 0.2964,
0.3468

161.6801, 0.3024,
0.3402

■ 28.2876, 0.2942,
0.3492

199.9870, 0.3031,
0.3394

■ 18.5426, 0.2914,
0.3524

243.9117, 0.3038,
0.3387

■ 11.3402, 0.2875,
0.3567

293.8386, 0.3043,
0.3381

■ 6.2962, 0.2820,
0.3629

350.1521, 0.3048,

■ 3.0260, 0.2733,

0.3376

413.2367, 0.3052,
0.3372

0.3728

1.1453, 0.2569,
0.3912

0.0163, 0.0000,
1.0000

76.6227, 0.2995,
0.3434

76.6227, 0.2995,
0.3434

73.1137, 0.2903,
0.3553

80.6617, 0.3091,
0.3327

70.1024, 0.2818,
0.3683

85.2424, 0.3189,
0.3231

67.5675, 0.2743,
0.3824

86.9823, 0.3171,
0.3140

65.4827, 0.2682,
0.3973

87.3314, 0.3137,
0.3088

■ 63.8188, 0.2637,
0.4129

■ 62.5429, 0.2612,
0.4289

■ 61.6173, 0.2607,
0.4448

■ 60.9962, 0.2622,
0.4605

■ 60.7164, 0.2639,
0.4701

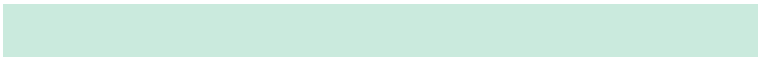
Harmonies

Analogous

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



76.6227, 0.3149, 0.3535



76.6227, 0.2995, 0.3434



76.6227, 0.2878, 0.3293

Triad

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



76.6227, 0.2995, 0.3434



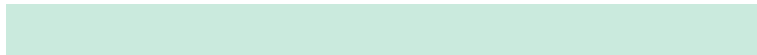
76.6227, 0.2953, 0.3025



76.6227, 0.3436, 0.3413

Complementary

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



76.6227, 0.2995, 0.3434



64.6304, 0.3281, 0.3150

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.



76.6227, 0.3382, 0.3280



76.6227, 0.2995, 0.3434



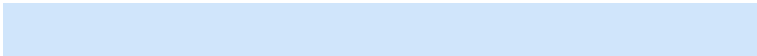
76.6227, 0.3099, 0.3060

Square

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



76.6227, 0.2995, 0.3434



76.6227, 0.2854, 0.3059



76.6227, 0.3257, 0.3152



76.6227, 0.3406, 0.3519

Rectangle

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



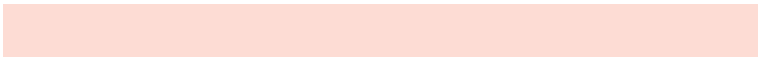
76.6227, 0.2995, 0.3434



76.6227, 0.2836, 0.3198



76.6227, 0.3257, 0.3152



76.6227, 0.3427, 0.3370

Sweetspot

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



76.6259, 0.2995, 0.3434



97.8527, 0.3088, 0.3330



77.6110, 0.3201, 0.3643



20.8606, 0.3081, 0.3338



0.0000, 0.0000, 0.0000



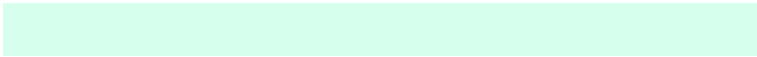
21.4041, 0.3127, 0.3290

Same Dimension

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



76.6259, 0.2995, 0.3434



92.0452, 0.2973, 0.3461



75.8375, 0.2918, 0.3260



17.0124, 0.3035, 0.3387



34.1416, 0.2632, 0.4677



2.6999, 0.2573, 0.4463

Inverse Universe

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



64.6304, 0.3281, 0.3150



75.2104, 0.3313, 0.3125



65.2518, 0.3375, 0.3320



15.1554, 0.3229, 0.3195



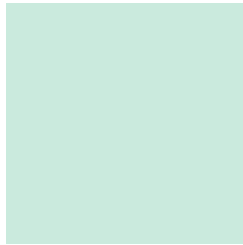
10.3173, 0.5351, 0.2721



0.8288, 0.4987, 0.2521

Previews

White Background



This preview shows how the Yxy color 76.6227, 0.2995, 0.3434 looks on a white background.

Color Contrast Check

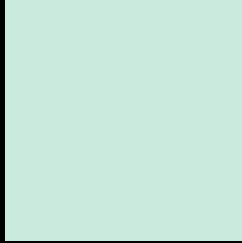
Large Text (above 18pt) WCAG AA × Fail

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 76.6227, 0.2995, 0.3434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

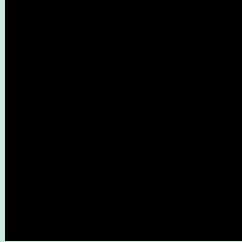
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

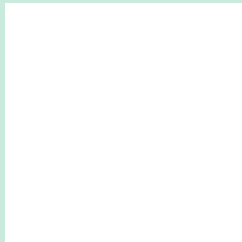
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.6227, 0.2995, 0.3434

Background



This preview shows how black text looks on a background with the Yxy color 76.6227, 0.2995, 0.3434.

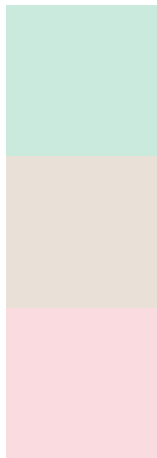


This preview shows how white text looks on a background with the Yxy color 76.6227, 0.2995, 0.3434.

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

76.6227, 0.2995, 0.3434

Protanopia

76.1319, 0.3243, 0.3386

Deuteranopia

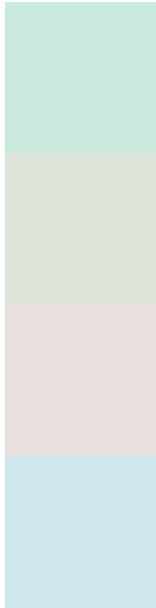
76.1846, 0.3311, 0.3240



Tritanopia

76.6363, 0.2868, 0.3097

Trichromacy



Original Color

76.6227, 0.2995, 0.3434

Protanomaly

76.0784, 0.3150, 0.3398

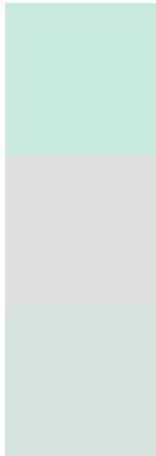
Deuteranomaly

75.7948, 0.3190, 0.3301

Tritanomaly

76.3040, 0.2914, 0.3213

Monochromacy



Original Color

76.6227, 0.2995, 0.3434

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

74.6592, 0.3076, 0.3344

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.6227, 0.2995, 0.3434 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, 234, 221)` looks like.

```
.text, #text, p{  
    color:rgb(202, 234, 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(202, 234, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 234, 221) }
```

Border

The CSS property to change the border of an element to Yxy 76.6227, 0.2995, 0.3434 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, 234, 221) }
```

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

```
.border{ border-color:rgb(202, 234, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 234, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 234, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 234, 221);  
box-shadow:4px 4px 4px 4px rgb(202, 234,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 76.6227, 0.2995, 0.3434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 234, 221) }
```

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

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