

Converting Colors

$Yxy(79.1699, 0.3001, 0.3542)$

Have a look what the booklet for
Yxy(79.1699, 0.3001, 0.3542)
contains.

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Color

Yxy(78.8849, 0.3000, 0.3535)

Conversions

Conversions Part 1

Format	Color
Hex	C7EFD9
RGB	199, 239, 217
RGB Percent	78%, 94%, 85%
CMY	0.2195, 0.0627, 0.1491
CMYK	0.17, 0.00, 0.09, 0.06
HSL	147°, 56%, 86%
HSV	147°, 17%, 94%
XYZ	66.9462, 78.8849, 77.3228
YIQ	224.5320, -16.7780, -15.3220

Conversions

Conversions Part 2

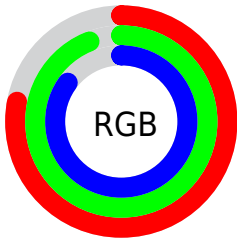
Format	Color
R_{YB}	199, 227, 239
Decimal	13103065
CIE _{Lab}	91.18, -17.12, 6.36
CIE _{LCh}	91, 18.267, 159.617
Yxy	78.8849, 0.3000, 0.3535
Android (android.graphics.Color)	4291293145 (0xFFC7EFD9)
YUV	224.5320, -3.7133, -22.3916
Hunter-Lab	88.8172, -20.8852, 10.5551

Details

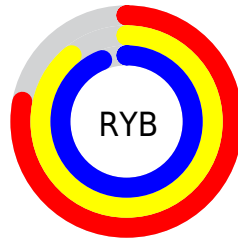
The Yxy color **78.8849, 0.3000, 0.3535** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.4345, 0.3278, 0.3057**, and the grayscale version is **74.9819, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.4953, 0.2973, 0.3596** is the 20% darker color. If you saturate the color by 10%, you get **75.2128, 0.2928, 0.3704**, and if you desaturate by 10%, it is **83.1318, 0.3076, 0.3383**.

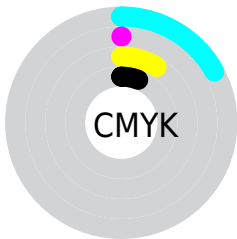
Distribution



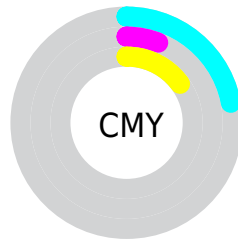
- Red (78%)
- Green (94%)
- Blue (85%)



- Red (78%)
- Yellow (89%)
- Blue (94%)



- Cyan (17%)
- Magenta (0%)
- Yellow (9%)
- Black (6%)





- Cyan (22%)
- Magenta (6%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.8849, 0.3000, 0.3535 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 78.8849, 0.3000, 0.3535 by changing the saturation by 10% instead.


 78.8849, 0.3000,
0.3535

 78.8849, 0.3000,
0.3535


491.1669, 0.3059,
0.3421

 58.8012, 0.2986,
0.3561


131.7968, 0.3021,
0.3495

 42.4531, 0.2970,
0.3594


165.3938, 0.3029,
0.3480

 29.4562, 0.2948,
0.3635


204.2640, 0.3035,
0.3467

 19.4262, 0.2920,
0.3689

248.7918, 0.3041,
0.3455

 11.9787, 0.2882,
0.3763

299.3616, 0.3047,
0.3445

 6.7292, 0.2826,
0.3872

356.3578, 0.3051,

 3.2933, 0.2738,

0.3436

0.4044

420.1647, 0.3055,
0.3428

1.2867, 0.2573,
0.4364

0.1309, 0.0000,
1.0000

78.8849, 0.3000,
0.3535

78.8849, 0.3000,
0.3535

75.2128, 0.2928,
0.3704

83.1318, 0.3076,
0.3383

72.0803, 0.2862,
0.3890

87.9671, 0.3152,
0.3247

69.4637, 0.2806,
0.4090

90.2140, 0.3134,
0.3136

67.3335, 0.2762,
0.4301

■ 65.6569, 0.2735,
0.4519

■ 64.3973, 0.2726,
0.4737

■ 63.5114, 0.2737,
0.4947

■ 62.9453, 0.2767,
0.5143

■ 62.8014, 0.2779,
0.5204

Harmonies

Analogous

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



78.8849, 0.3214, 0.3651



78.8849, 0.3000, 0.3535



78.8849, 0.2824, 0.3348

Triad

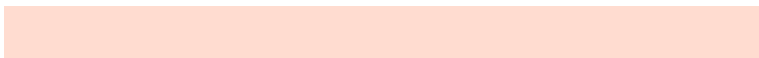
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.8849, 0.3000, 0.3535



78.8849, 0.2844, 0.2934



78.8849, 0.3543, 0.3406

Complementary

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



78.8849, 0.3000, 0.3535



64.4345, 0.3278, 0.3057

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.



78.8849, 0.3437, 0.3224



78.8849, 0.3000, 0.3535



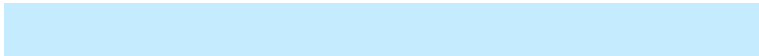
78.8849, 0.3029, 0.2958

Square

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



78.8849, 0.3000, 0.3535



78.8849, 0.2736, 0.3001



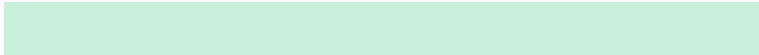
78.8849, 0.3247, 0.3062



78.8849, 0.3532, 0.3567

Rectangle

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



78.8849, 0.3000, 0.3535



78.8849, 0.2750, 0.3213



78.8849, 0.3247, 0.3062



78.8849, 0.3519, 0.3346

Sweetspot

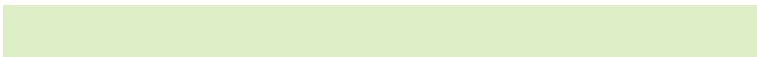
The Sweet Spot groups the original color and five complimentary colors.



78.8882, 0.3000, 0.3535



97.2172, 0.3089, 0.3359



81.3379, 0.3258, 0.3722



20.7278, 0.3083, 0.3369



0.0000, 0.0000, 0.0000



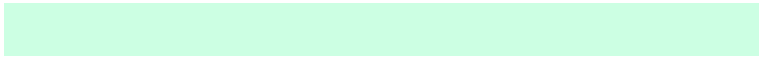
21.4041, 0.3127, 0.3290

Same Dimension

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



78.8882, 0.3000, 0.3535



89.8975, 0.2975, 0.3590



79.9557, 0.2889, 0.3318



17.7744, 0.3055, 0.3423



34.7305, 0.2771, 0.5175



2.9090, 0.2700, 0.4920

Inverse Universe

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



64.4345, 0.3278, 0.3057



70.2780, 0.3314, 0.3008



63.4606, 0.3426, 0.3262



15.9047, 0.3207, 0.3161



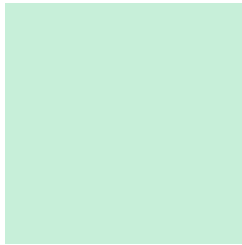
11.0843, 0.4742, 0.2386



0.9421, 0.4485, 0.2244

Previews

White Background



This preview shows how the Yxy color 78.8849, 0.3000, 0.3535 looks on a white background.

Color Contrast Check

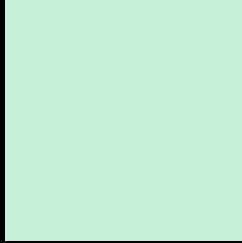
Large Text (above 18pt) WCAG AA × Fail

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 78.8849, 0.3000, 0.3535 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

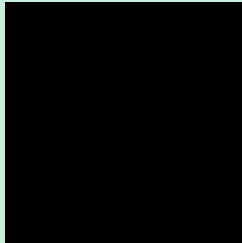
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

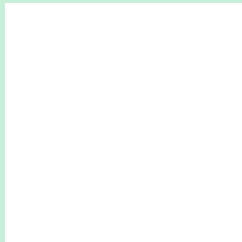
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.8849, 0.3000, 0.3535

Background



This preview shows how black text looks on a background with the Yxy color 78.8849, 0.3000, 0.3535.

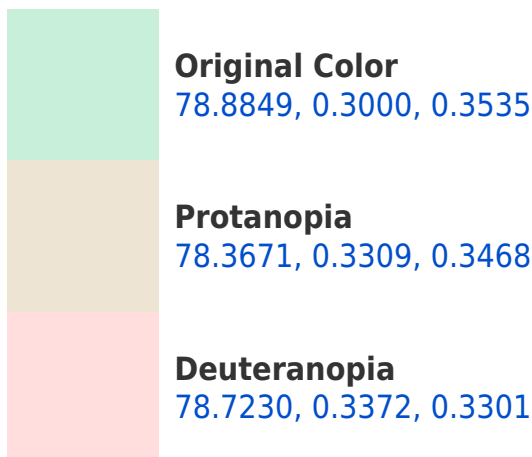


This preview shows how white text looks on a background with the Yxy color 78.8849, 0.3000, 0.3535.

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

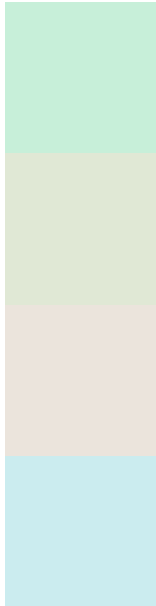




Tritanopia

78.8530, 0.2835, 0.3098

Trichromacy



Original Color

78.8849, 0.3000, 0.3535

Protanomaly

78.3646, 0.3193, 0.3494

Deuteranomaly

78.3163, 0.3228, 0.3374

Tritanomaly

78.9194, 0.2897, 0.3257

Monochromacy



Original Color

78.8849, 0.3000, 0.3535

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

76.4665, 0.3082, 0.3377

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.8849, 0.3000, 0.3535 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, 217)` looks like.

```
.text, #text, p{  
    color:rgb(199, 239, 217)  
}
```

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, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 239, 217) }
```

Border

The CSS property to change the border of an element to Yxy 78.8849, 0.3000, 0.3535 is called "border". The border property can be set on classes, ids or directly on the HTML element.

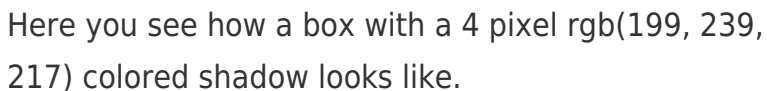
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(199, 239, 217) }
```

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

```
.border{ border-color:rgb(199, 239, 217) }
```

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, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 239, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 239, 217); box-shadow:4px 4px 4px 4px rgb(199, 239, 217) }
```


Background

The CSS property to change the background color of an element to Yxy 78.8849, 0.3000, 0.3535 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, 217) }
```

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

```
.background{ background-color: rgb(199,  
239, 217) }
```

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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