

Converting Colors

$Yxy(79.0435, 0.2997, 0.3443)$

Have a look what the booklet for
Yxy(79.0435, 0.2997, 0.3443)
contains.

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Color

Yxy(78.7335, 0.2996, 0.3444)

Conversions

Conversions Part 1

Format	Color
Hex	CCEDDF
RGB	204, 237, 223
RGB Percent	80%, 93%, 87%
CMY	0.2002, 0.0705, 0.1256
CMYK	0.14, 0.00, 0.06, 0.07
HSL	155°, 48%, 86%
HSV	155°, 14%, 93%
XYZ	68.4917, 78.7335, 81.3854
YIQ	225.5370, -15.1740, -11.3500

Conversions

Conversions Part 2

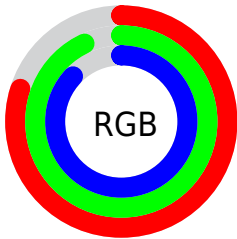
Format	Color
R_{YB}	204, 225, 237
Decimal	13430239
CIE _{Lab}	91.11, -13.43, 3.17
CIE _{LCh}	91, 13.799, 166.710
Yxy	78.7335, 0.2996, 0.3444
Android (android.graphics.Color)	4291620319 (0xFFCCEDDF)
YUV	225.5370, -1.2507, -18.8879
Hunter-Lab	88.7319, -17.4975, 7.7312

Details

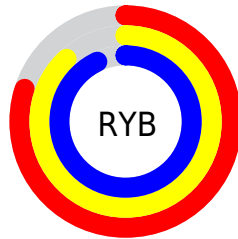
The Yxy color **78.7335, 0.2996, 0.3444** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.2290, 0.3280, 0.3141**, and the grayscale version is **75.7137, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.3589, 0.2969, 0.3476** is the 20% darker color. If you saturate the color by 10%, you get **75.1131, 0.2907, 0.3569**, and if you desaturate by 10%, it is **82.9024, 0.3090, 0.3331**.

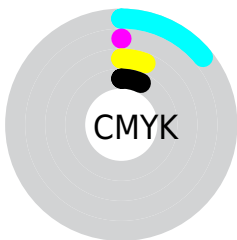
Distribution



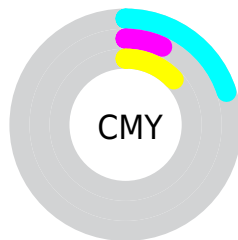
- Red (80%)
- Green (93%)
- Blue (87%)



- Red (80%)
- Yellow (88%)
- Blue (93%)



- Cyan (14%)
- Magenta (0%)
- Yellow (6%)
- Black (7%)



- Cyan (20%)
- Magenta (7%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.7335, 0.2996, 0.3444 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 78.7335, 0.2996, 0.3444 by changing the saturation by 10% instead.

■ 78.7335, 0.2996,
0.3444

■ 78.7335, 0.2996,
0.3444

490.6543, 0.3056,
0.3373

■ 58.6767, 0.2982,
0.3460

131.5836, 0.3017,
0.3419

■ 42.3529, 0.2965,
0.3480

165.1457, 0.3025,
0.3410

■ 29.3777, 0.2944,
0.3506

203.9784, 0.3032,
0.3402

■ 19.3668, 0.2916,
0.3539

248.4661, 0.3038,
0.3394

■ 11.9356, 0.2879,
0.3584

298.9931, 0.3043,
0.3388

■ 6.6998, 0.2825,
0.3649


355.9439, 0.3048,


■ 3.2751, 0.2741,


0.3382


0.3752


419.7028, 0.3052,
0.3377


 1.2770, 0.2594,
0.3936

 0.1233, 0.0000,
1.0000


 78.7335, 0.2996,
0.3444

 78.7335, 0.2996,
0.3444


 75.1131, 0.2907,
0.3569


 82.9024, 0.3090,
0.3331

 72.0077, 0.2824,
0.3706

 87.6319, 0.3185,
0.3231

 69.3953, 0.2751,
0.3854

 88.9426, 0.3147,
0.3134

 67.2485, 0.2692,
0.4011

 89.0604, 0.3135,
0.3117

■ 65.5369, 0.2650,
0.4175

■ 64.2267, 0.2626,
0.4343

■ 63.2785, 0.2623,
0.4510

■ 62.6445, 0.2640,
0.4673

■ 62.3699, 0.2658,
0.4769

Harmonies

Analogous

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



78.7335, 0.3156, 0.3547



78.7335, 0.2996, 0.3444



78.7335, 0.2874, 0.3298

Triad

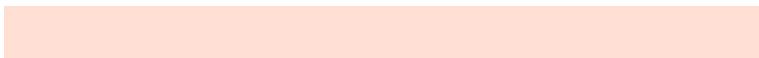
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.7335, 0.2996, 0.3444



78.7335, 0.2942, 0.3017



78.7335, 0.3447, 0.3412

Complementary

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



78.7335, 0.2996, 0.3444



66.2290, 0.3280, 0.3141

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.



78.7335, 0.3387, 0.3274



78.7335, 0.2996, 0.3444



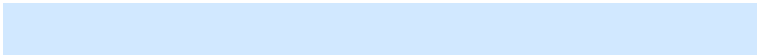
78.7335, 0.3092, 0.3050

Square

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



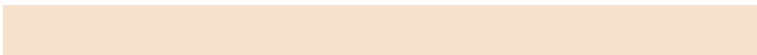
78.7335, 0.2996, 0.3444



78.7335, 0.2843, 0.3053



78.7335, 0.3256, 0.3143



78.7335, 0.3418, 0.3523

Rectangle

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



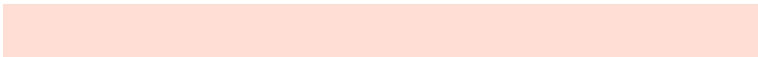
78.7335, 0.2996, 0.3444



78.7335, 0.2828, 0.3200



78.7335, 0.3256, 0.3143



78.7335, 0.3436, 0.3367

Sweetspot

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



78.7368, 0.2996, 0.3444



97.8408, 0.3089, 0.3332



79.8858, 0.3206, 0.3650



20.8576, 0.3082, 0.3340



0.0000, 0.0000, 0.0000



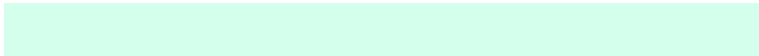
21.4041, 0.3127, 0.3290

Same Dimension

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



78.7368, 0.2996, 0.3444



91.5562, 0.2968, 0.3482



78.2565, 0.2914, 0.3265



17.0075, 0.3038, 0.3392



34.0717, 0.2651, 0.4743



2.6946, 0.2589, 0.4521

Inverse Universe

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



66.2290, 0.3280, 0.3141



73.8881, 0.3321, 0.3106



66.5802, 0.3382, 0.3315



15.1602, 0.3226, 0.3190



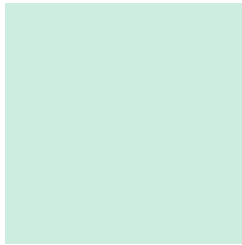
10.3634, 0.5274, 0.2679



0.8327, 0.4920, 0.2484

Previews

White Background



This preview shows how the Yxy color 78.7335, 0.2996, 0.3444 looks on a white background.

Color Contrast Check

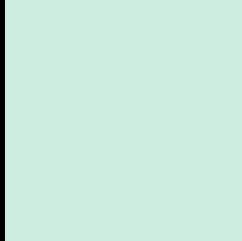
Large Text (above 18pt) WCAG AA × Fail

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 78.7335, 0.2996, 0.3444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

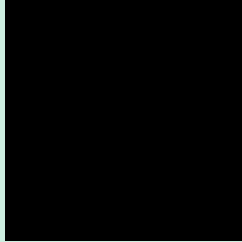
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

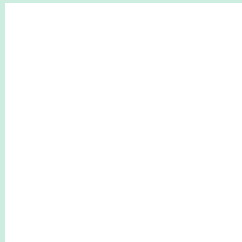
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.7335, 0.2996, 0.3444

Background



This preview shows how black text looks on a background with the Yxy color 78.7335, 0.2996, 0.3444.

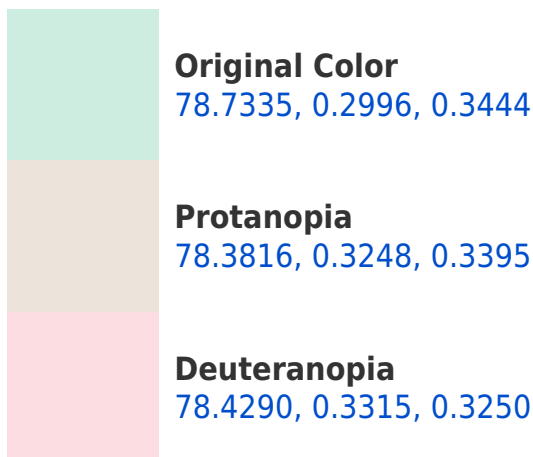


This preview shows how white text looks on a background with the Yxy color 78.7335, 0.2996, 0.3444.

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

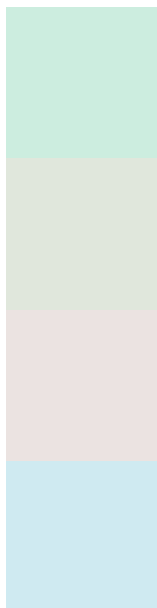




Tritanopia

78.7982, 0.2865, 0.3099

Trichromacy



Original Color

78.7335, 0.2996, 0.3444

Protanomaly

78.1664, 0.3149, 0.3408

Deuteranomaly

78.0366, 0.3196, 0.3311

Tritanomaly

78.4619, 0.2910, 0.3214

Monochromacy



Original Color

78.7335, 0.2996, 0.3444

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

76.9353, 0.3077, 0.3344

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.7335, 0.2996, 0.3444 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, 237, 223)` looks like.

```
.text, #text, p{  
    color:rgb(204, 237, 223)  
}
```

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, 237, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 237, 223) }
```

Border

The CSS property to change the border of an element to Yxy 78.7335, 0.2996, 0.3444 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, 237, 223) }
```

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

```
.border{ border-color:rgb(204, 237, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 237, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 237, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 237, 223);  
box-shadow:4px 4px 4px 4px rgb(204, 237,  
223) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 78.7335, 0.2996, 0.3444$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 237, 223) }
```

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

```
.background{ background-color: rgb(204,  
237, 223) }
```

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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