

Converting Colors

$Yxy(78.4833, 0.3005, 0.3550)$

Have a look what the booklet for
Yxy(78.4833, 0.3005, 0.3550)
contains.

Yxy(78.6451, 0.3005, 0.3558)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.6451, 0.3005, 0.3558)

Conversions

Conversions Part 1

Format	Color
Hex	C6EFD7
RGB	198, 239, 215
RGB Percent	78%, 94%, 84%
CMY	0.2235, 0.0627, 0.1568
CMYK	0.17, 0.00, 0.10, 0.06
HSL	145°, 56%, 86%
HSV	145°, 17%, 94%
XYZ	66.4217, 78.6451, 75.9705
YIQ	224.0050, -16.7320, -16.1560

Conversions

Conversions Part 2

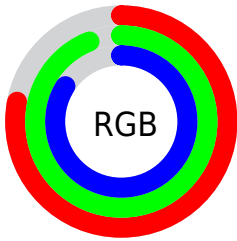
Format	Color
RYB	198, 227, 239
Decimal	13037527
CIELab	91.07, -17.82, 7.22
CIELCh	91, 19.227, 157.940
Yxy	78.6451, 0.3005, 0.3558
Android (android.graphics.Color)	4291227607 (0xFFC6EFD7)
YUV	224.0050, -4.4395, -22.8064
Hunter-Lab	88.6821, -21.4994, 11.2860

Details

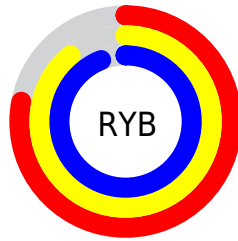
The Yxy color **78.6451, 0.3005, 0.3558** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.0160, 0.3272, 0.3036**, and the grayscale version is **74.5888, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.3343, 0.2980, 0.3627** is the 20% darker color. If you saturate the color by 10%, you get **74.9638, 0.2937, 0.3739**, and if you desaturate by 10%, it is **82.9070, 0.3076, 0.3395**.

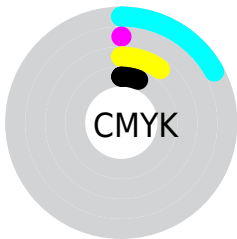
Distribution



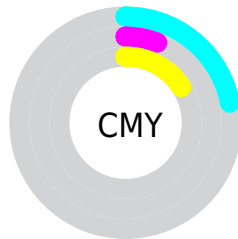
- Red (78%)
- Green (94%)
- Blue (84%)



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



- Cyan (17%)
- Magenta (0%)
- Yellow (10%)
- Black (6%)





- Cyan (22%)
- Magenta (6%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.6451, 0.3005, 0.3558 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 78.6451, 0.3005, 0.3558 by changing the saturation by 10% instead.


 78.6451, 0.3005,
0.3558

 78.6451, 0.3005,
0.3558


490.3549, 0.3062,
0.3433

 58.6041, 0.2992,
0.3587


131.4591, 0.3025,
0.3514

 42.2945, 0.2976,
0.3622


165.0009, 0.3033,
0.3498

 29.3319, 0.2955,
0.3668


203.8117, 0.3039,
0.3483

 19.3321, 0.2927,
0.3728

248.2759, 0.3045,
0.3471

 11.9105, 0.2890,
0.3810

298.7779, 0.3050,
0.3459

 6.6827, 0.2835,
0.3930

355.7022, 0.3054,

 3.2645, 0.2747,

0.3450

0.4121

419.4330, 0.3058,
0.3441

1.2713, 0.2579,
0.4490

0.1188, 0.0000,
1.0000

78.6451, 0.3005,
0.3558

78.6451, 0.3005,
0.3558

74.9638, 0.2937,
0.3739

82.9070, 0.3076,
0.3395

71.8277, 0.2876,
0.3938

87.7634, 0.3148,
0.3251

69.2126, 0.2823,
0.4152

90.2155, 0.3134,
0.3136

67.0885, 0.2783,
0.4377

■ 65.4224, 0.2759,
0.4609

■ 64.1768, 0.2753,
0.4838

■ 63.3082, 0.2767,
0.5057

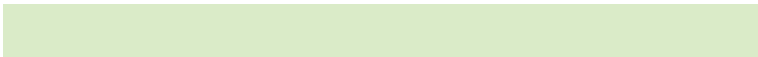
■ 62.7602, 0.2798,
0.5258

■ 62.6382, 0.2809,
0.5311

Harmonies

Analogous

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



78.6451, 0.3231, 0.3675



78.6451, 0.3005, 0.3558



78.6451, 0.2816, 0.3362

Triad

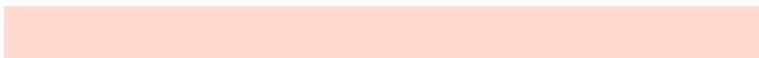
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.6451, 0.3005, 0.3558



78.6451, 0.2820, 0.2917



78.6451, 0.3562, 0.3401

Complementary

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



78.6451, 0.3005, 0.3558



64.0160, 0.3272, 0.3036

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.



78.6451, 0.3444, 0.3210



78.6451, 0.3005, 0.3558



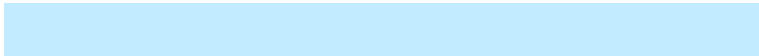
78.6451, 0.3011, 0.2937

Square

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



78.6451, 0.3005, 0.3558



78.6451, 0.2713, 0.2992



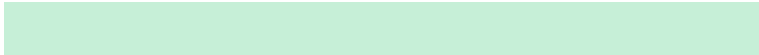
78.6451, 0.3240, 0.3043



78.6451, 0.3558, 0.3573

Rectangle

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



78.6451, 0.3005, 0.3558



78.6451, 0.2735, 0.3220



78.6451, 0.3240, 0.3043



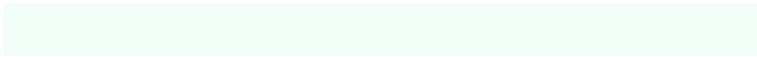
78.6451, 0.3535, 0.3337

Sweetspot

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



78.6484, 0.3005, 0.3558



97.1901, 0.3091, 0.3363



81.4382, 0.3271, 0.3732



20.7212, 0.3086, 0.3374



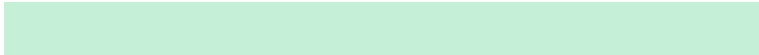
0.0000, 0.0000, 0.0000



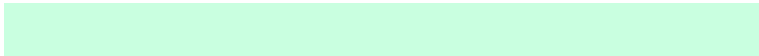
21.4041, 0.3127, 0.3290

Same Dimension

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



78.6484, 0.3005, 0.3558



89.3630, 0.2978, 0.3627



79.7345, 0.2891, 0.3334



17.7651, 0.3059, 0.3431



34.6386, 0.2800, 0.5282



2.9010, 0.2728, 0.5020

Inverse Universe

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



64.0160, 0.3272, 0.3036



69.1150, 0.3312, 0.2976



63.0110, 0.3425, 0.3247



15.9141, 0.3202, 0.3153



11.2126, 0.4600, 0.2308



0.9525, 0.4366, 0.2179

Previews

White Background



This preview shows how the Yxy color 78.6451, 0.3005, 0.3558 looks on a white background.

Color Contrast Check

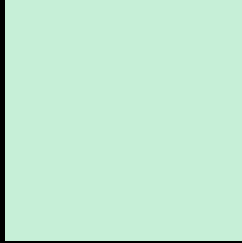
Large Text (above 18pt) WCAG AA × Fail

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 78.6451, 0.3005, 0.3558 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

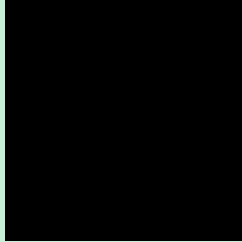
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

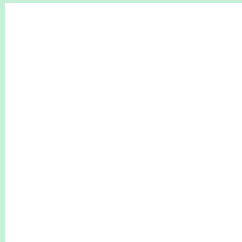
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.6451, 0.3005, 0.3558

Background



This preview shows how black text looks on a background with the Yxy color 78.6451, 0.3005, 0.3558.

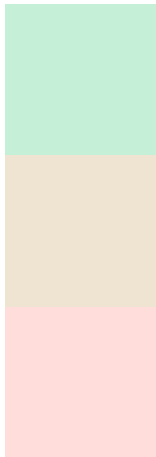


This preview shows how white text looks on a background with the Yxy color 78.6451, 0.3005, 0.3558.

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

78.6451, 0.3005, 0.3558

Protanopia

78.2674, 0.3322, 0.3490

Deuteranopia

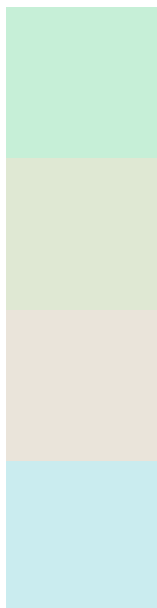
78.0874, 0.3387, 0.3311



Tritanopia

78.8530, 0.2835, 0.3098

Trichromacy



Original Color

78.6451, 0.3005, 0.3558

Protanomaly

78.1043, 0.3199, 0.3516

Deuteranomaly

78.0412, 0.3234, 0.3395

Tritanomaly

78.7795, 0.2891, 0.3257

Monochromacy



Original Color

78.6451, 0.3005, 0.3558

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

75.7062, 0.3082, 0.3377

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.6451, 0.3005, 0.3558 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(198, 239, 215)` looks like.

```
.text, #text, p{  
    color:rgb(198, 239, 215)  
}
```

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(198, 239, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 239, 215) }
```

Border

The CSS property to change the border of an element to Yxy 78.6451, 0.3005, 0.3558 is called "border". The border property can be set on classes, ids or directly on the HTML element.

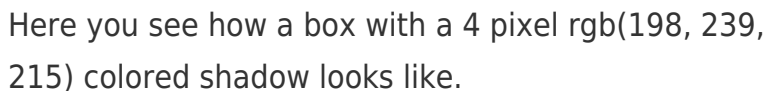
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(198, 239, 215) }
```

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

```
.border{ border-color:rgb(198, 239, 215) }
```

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



Here you see how a box with a 4 pixel `rgb(198, 239, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 239, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 239, 215);  
box-shadow:4px 4px 4px 4px rgb(198, 239,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 78.6451, 0.3005, 0.3558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 239, 215) }
```

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

```
.background{ background-color: rgb(198,  
239, 215) }
```

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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