

Converting Colors

$Yxy(78.5619, 0.3026, 0.3503)$

Have a look what the booklet for
Yxy(78.5619, 0.3026, 0.3503)
contains.

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Color

Yxy(78.4677, 0.3026, 0.3500)

Conversions

Conversions Part 1

Format	Color
Hex	CCEDDA
RGB	204, 237, 218
RGB Percent	80%, 93%, 85%
CMY	0.1999, 0.0706, 0.1452
CMYK	0.14, 0.00, 0.08, 0.07
HSL	145°, 48%, 86%
HSV	145°, 14%, 93%
XYZ	67.8409, 78.4677, 77.8848
YIQ	224.9670, -13.5690, -12.9050

Conversions

Conversions Part 2

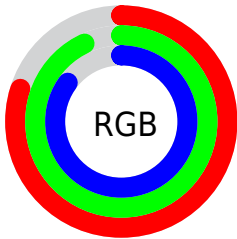
Format	Color
R _Y B	204, 227, 237
Decimal	13430234
CIE Lab	90.99, -14.33, 5.60
CIE LCh	91, 15.391, 158.644
Yxy	78.4677, 0.3026, 0.3500
Android (android.graphics.Color)	4291620314 (0xFFCCEDDA)
YUV	224.9670, -3.4347, -18.3881
Hunter-Lab	88.5820, -18.3134, 9.8773

Details

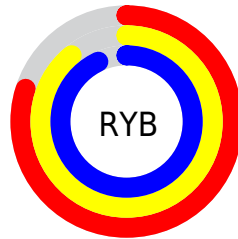
The Yxy color **78.4677, 0.3026, 0.3500** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.5270, 0.3243, 0.3089**, and the grayscale version is **75.3050, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.1761, 0.3006, 0.3550** is the 20% darker color. If you saturate the color by 10%, you get **74.6864, 0.2956, 0.3672**, and if you desaturate by 10%, it is **82.8242, 0.3099, 0.3346**.

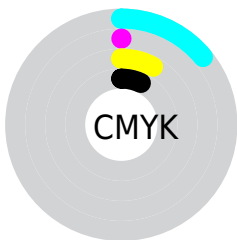
Distribution



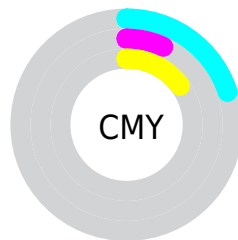
- Red (80%)
- Green (93%)
- Blue (85%)



- Red (80%)
- Yellow (89%)
- Blue (93%)



- Cyan (14%)
- Magenta (0%)
- Yellow (8%)
- Black (7%)




- Cyan (20%)
- Magenta (7%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.4677, 0.3026, 0.3500 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 78.4677, 0.3026, 0.3500 by changing the saturation by 10% instead.

 78.4677, 0.3026,
0.3500

 78.4677, 0.3026,
0.3500

489.7537, 0.3073,
0.3403

 58.4583, 0.3015,
0.3522


131.2092, 0.3042,
0.3466

 42.1772, 0.3002,
0.3550


164.7101, 0.3049,
0.3453

 29.2400, 0.2985,
0.3585


203.4769, 0.3054,
0.3442

 19.2625, 0.2963,
0.3631

247.8940, 0.3059,
0.3432

 11.8601, 0.2932,
0.3695

298.3459, 0.3063,
0.3423

 6.6485, 0.2888,
0.3787

355.2169, 0.3067,

 3.2433, 0.2818,

0.3416

0.3933

418.8913, 0.3070,
0.3409

1.2600, 0.2689,
0.4200

0.1099, 0.0000,
1.0000

78.4677, 0.3026,
0.3500

78.4677, 0.3026,
0.3500

74.6864, 0.2956,
0.3672

82.8242, 0.3099,
0.3346

71.4461, 0.2891,
0.3862

87.7688, 0.3171,
0.3209

68.7238, 0.2834,
0.4068

89.0509, 0.3135,
0.3117

66.4911, 0.2789,
0.4287

■ 64.7168, 0.2759,
0.4514

■ 63.3659, 0.2746,
0.4741

■ 62.3979, 0.2753,
0.4962

■ 61.7641, 0.2779,
0.5168

■ 61.4975, 0.2801,
0.5284

Harmonies

Analogous

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



78.4677, 0.3208, 0.3595



78.4677, 0.3026, 0.3500



78.4677, 0.2875, 0.3345

Triad

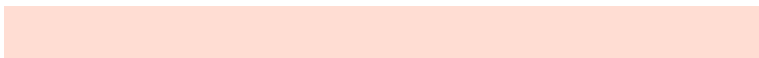
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.4677, 0.3026, 0.3500



78.4677, 0.2884, 0.2989



78.4677, 0.3476, 0.3385

Complementary

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



78.4677, 0.3026, 0.3500



66.5270, 0.3243, 0.3089

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.



78.4677, 0.3384, 0.3230



78.4677, 0.3026, 0.3500



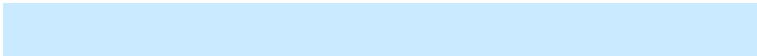
78.4677, 0.3039, 0.3006

Square

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



78.4677, 0.3026, 0.3500



78.4677, 0.2794, 0.3050



78.4677, 0.3223, 0.3093



78.4677, 0.3471, 0.3521

Rectangle

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



78.4677, 0.3026, 0.3500



78.4677, 0.2810, 0.3232



78.4677, 0.3223, 0.3093



78.4677, 0.3455, 0.3334

Sweetspot

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



78.4710, 0.3026, 0.3500



97.7435, 0.3098, 0.3347



80.6601, 0.3240, 0.3645



20.8330, 0.3092, 0.3358



0.0000, 0.0000, 0.0000



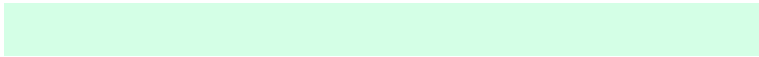
21.4041, 0.3127, 0.3290

Same Dimension

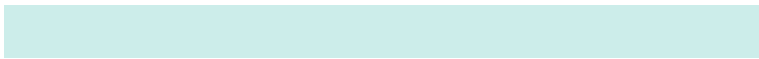
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.4710, 0.3026, 0.3500



91.1784, 0.3004, 0.3552



79.3653, 0.2931, 0.3319



16.9680, 0.3058, 0.3429



33.5989, 0.2793, 0.5253



2.6572, 0.2716, 0.4979

Inverse Universe

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



66.5270, 0.3243, 0.3089



74.2660, 0.3274, 0.3042



65.6906, 0.3364, 0.3261



15.1997, 0.3203, 0.3155



10.8375, 0.4634, 0.2326



0.8702, 0.4382, 0.2188

Previews

White Background



This preview shows how the Yxy color 78.4677, 0.3026, 0.3500 looks on a white background.

Color Contrast Check

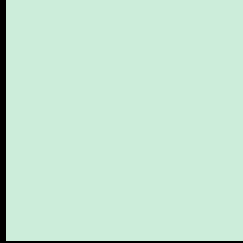
Large Text (above 18pt) WCAG AA × Fail

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 78.4677, 0.3026, 0.3500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

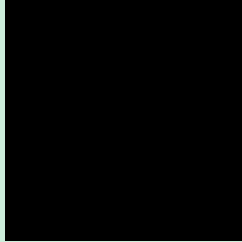
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

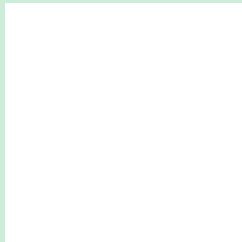
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.4677, 0.3026, 0.3500

Background



This preview shows how black text looks on a background with the Yxy color 78.4677, 0.3026, 0.3500.

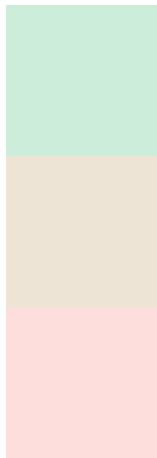


This preview shows how white text looks on a background with the Yxy color 78.4677, 0.3026, 0.3500.

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

78.4677, 0.3026, 0.3500

Protanopia

78.2954, 0.3288, 0.3448

Deuteranopia

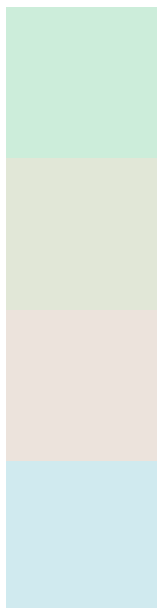
78.0042, 0.3366, 0.3291



Tritanopia

78.3799, 0.2870, 0.3088

Trichromacy



Original Color

78.4677, 0.3026, 0.3500

Protanomaly

78.0657, 0.3188, 0.3461

Deuteranomaly

77.9383, 0.3236, 0.3363

Tritanomaly

78.4875, 0.2928, 0.3236

Monochromacy



Original Color

78.4677, 0.3026, 0.3500

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

76.0643, 0.3089, 0.3366

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.4677, 0.3026, 0.3500 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, 218)` looks like.

```
.text, #text, p{  
    color:rgb(204, 237, 218)  
}
```

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, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 237, 218) }
```

Border

The CSS property to change the border of an element to Yxy 78.4677, 0.3026, 0.3500 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, 218) }
```

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

```
.border{ border-color:rgb(204, 237, 218) }
```

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, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 237, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 237, 218);  
box-shadow:4px 4px 4px 4px rgb(204, 237,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 78.4677, 0.3026, 0.3500 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, 218) }
```

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

```
.background{ background-color: rgb(204,  
237, 218) }
```

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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