

# Converting Colors

$Yxy(78.3313, 0.2979, 0.3616)$

Have a look what the booklet for  
Yxy(78.3313, 0.2979, 0.3616)  
contains.

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# Color

**Yxy(78.1500, 0.2979, 0.3607)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BFF0D4
RGB	191, 240, 212
RGB Percent	75%, 94%, 83%
CMY	0.2507, 0.0589, 0.1686
CMYK	0.20, 0.00, 0.12, 0.06
HSL	146°, 62%, 85%
HSV	146°, 20%, 94%
XYZ	64.5436, 78.1500, 73.9684
YIQ	222.1570, -20.2160, -19.0960

# Conversions

## Conversions Part 2

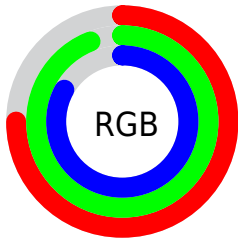
<b>Format</b>	<b>Color</b>
<b>RYB</b>	191, 225, 240
Decimal	12579028
CIELab	90.85, -21.07, 8.41
CIELCh	91, 22.685, 158.253
Yxy	78.1500, 0.2979, 0.3607
Android (android.graphics.Color)	4290769108 (0xFFBFF0D4)
YUV	222.1570, -5.0074, -27.3247
Hunter-Lab	88.4025, -24.3796, 12.2724

# Details

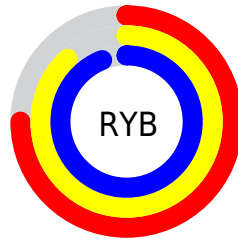
The Yxy color **78.1500, 0.2979, 0.3607** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **60.9369, 0.3309, 0.2993**, and the grayscale version is **73.2219, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6965, 0.3084, 0.3290**, and **42.0337, 0.2947, 0.3693** is the 20% darker color. If you saturate the color by 10%, you get **74.6270, 0.2911, 0.3790**, and if you desaturate by 10%, it is **82.2484, 0.3051, 0.3442**.

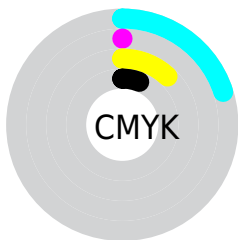
# Distribution



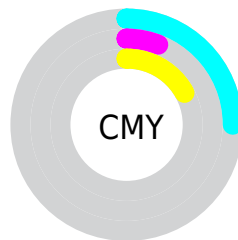
- Red (75%)
- Green (94%)
- Blue (83%)



- Red (75%)
- Yellow (88%)
- Blue (94%)



- Cyan (20%)
- Magenta (0%)
- Yellow (12%)
- Black (6%)




- Cyan (25%)
- Magenta (6%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.1500, 0.2979, 0.3607 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 78.1500, 0.2979, 0.3607 by changing the saturation by 10% instead.




 78.1500, 0.2979,  
0.3607

 78.1500, 0.2979,  
0.3607

488.6761, 0.3048,  
0.3459

 58.1972, 0.2963,  
0.3641


 130.7616, 0.3003,  
0.3555

 41.9672, 0.2943,  
0.3684


164.1891, 0.3013,  
0.3535

 29.0756, 0.2917,  
0.3739


202.8770, 0.3021,  
0.3518

 19.1380, 0.2884,  
0.3810

247.2097, 0.3028,  
0.3503

 11.7701, 0.2837,  
0.3910

297.5716, 0.3034,  
0.3490

 6.5873, 0.2769,  
0.4055


354.3470, 0.3039,


 3.2054, 0.2660,


0.3478


417.9204, 0.3044,  
0.3468


0.4289


 1.2399, 0.2424,  
0.4793


 0.0939, 0.0000,  
1.0000


 78.1500, 0.2979,  
0.3607


 78.1500, 0.2979,  
0.3607


 74.6270, 0.2911,  
0.3790


 82.2484, 0.3051,  
0.3442

 71.6432, 0.2851,  
0.3989


 86.9368, 0.3124,  
0.3295


 69.1737, 0.2801,  
0.4202

 90.6779, 0.3145,  
0.3163

 67.1872, 0.2764,  
0.4425

 90.7933, 0.3134,  
0.3146

 65.6494, 0.2745,  
0.4651

 64.5207, 0.2745,  
0.4874

 63.7543, 0.2764,  
0.5085

 63.2857, 0.2798,  
0.5271

# Harmonies

## Analogous

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



78.1500, 0.3246, 0.3747



78.1500, 0.2979, 0.3607



78.1500, 0.2759, 0.3372

# Triad

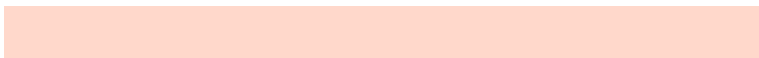
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.1500, 0.2979, 0.3607



78.1500, 0.2767, 0.2851



78.1500, 0.3643, 0.3421

# Complementary

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



78.1500, 0.2979, 0.3607



60.9369, 0.3309, 0.2993

# 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.



78.1500, 0.3504, 0.3196



78.1500, 0.2979, 0.3607



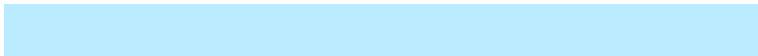
78.1500, 0.2992, 0.2877

# Square

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



78.1500, 0.2979, 0.3607



78.1500, 0.2640, 0.2936



78.1500, 0.3262, 0.3001

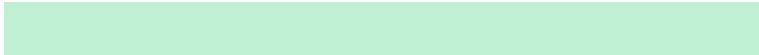


78.1500, 0.3636, 0.3623



# Rectangle

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



78.1500, 0.2979, 0.3607



78.1500, 0.2665, 0.3202



78.1500, 0.3262, 0.3001



78.1500, 0.3612, 0.3346

# Sweetspot

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



78.1533, 0.2979, 0.3607



96.6617, 0.3083, 0.3376



81.2331, 0.3292, 0.3822



20.6151, 0.3078, 0.3386



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

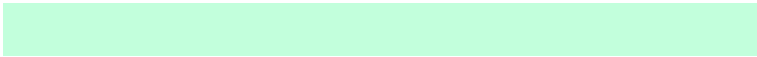


# Same Dimension

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



78.1533, 0.2979, 0.3607



88.1290, 0.2953, 0.3672



79.4509, 0.2845, 0.3334



17.7686, 0.3057, 0.3428



34.6728, 0.2789, 0.5241



2.9040, 0.2717, 0.4982



# Inverse Universe

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



60.9369, 0.3309, 0.2993



65.4018, 0.3350, 0.2937



59.7660, 0.3501, 0.3247



15.9105, 0.3204, 0.3156



11.1623, 0.4654, 0.2338

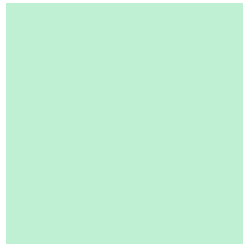


0.9485, 0.4411, 0.2204



# Previews

## White Background



This preview shows how the Yxy color 78.1500, 0.2979, 0.3607 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 78.1500, 0.2979, 0.3607 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

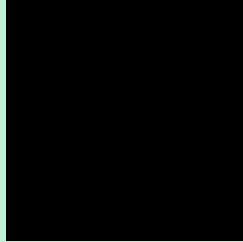
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

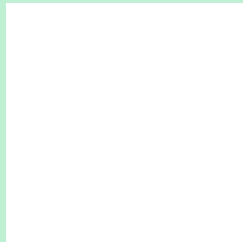
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 78.1500, 0.2979, 0.3607**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.1500, 0.2979, 0.3607.

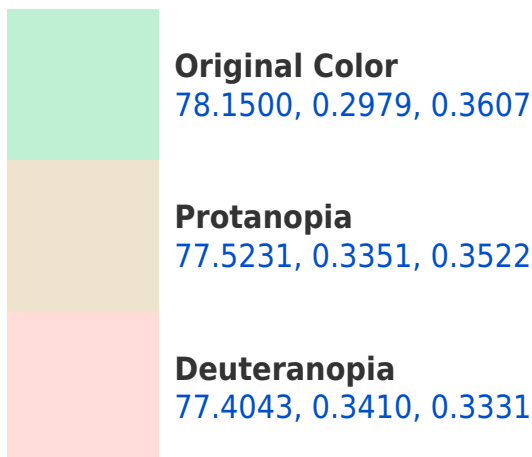


This preview shows how white text looks on a background with the Yxy color 78.1500, 0.2979, 0.3607.

# 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

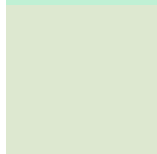
78.0796, 0.2794, 0.3085

# Trichromacy



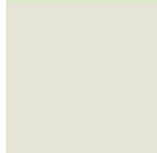
## Original Color

78.1500, 0.2979, 0.3607



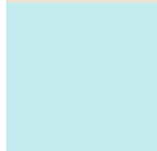
## Protanomaly

77.6394, 0.3204, 0.3551



## Deuteranomaly

77.0003, 0.3240, 0.3417



## Tritanomaly

77.8997, 0.2860, 0.3267

# Monochromacy



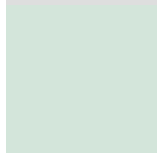
## Original Color

78.1500, 0.2979, 0.3607



## Achromatopsia

73.0461, 0.3127, 0.3290



## Achromatomaly

74.9495, 0.3074, 0.3411

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.1500, 0.2979, 0.3607 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(191, 240, 212)` looks like.

```
.text, #text, p{  
    color:rgb(191, 240, 212)  
}
```

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(191, 240, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 240, 212) }
```

## Border

The CSS property to change the border of an element to Yxy 78.1500, 0.2979, 0.3607 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(191, 240, 212) }
```

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

```
.border{ border-color:rgb(191, 240, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 240, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 240, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 240, 212);  
box-shadow:4px 4px 4px 4px rgb(191, 240,  
212) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.1500, 0.2979, 0.3607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 240, 212) }
```

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

```
.background{ background-color: rgb(191,  
240, 212) }
```

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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