

# Converting Colors

$Yxy(77.7035, 0.2998, 0.3565)$

Have a look what the booklet for  
Yxy(77.7035, 0.2998, 0.3565)  
contains.

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# Color

**Yxy(77.7399, 0.2998, 0.3560)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4EED6
RGB	196, 238, 214
RGB Percent	77%, 93%, 84%
CMY	0.2315, 0.0666, 0.1608
CMYK	0.18, 0.00, 0.10, 0.07
HSL	146°, 55%, 85%
HSV	146°, 18%, 93%
XYZ	65.4675, 77.7399, 75.1631
YIQ	222.7060, -17.3280, -16.3680

# Conversions

## Conversions Part 2

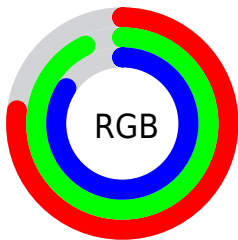
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">196, 225, 238</a>
Decimal	<a href="#">12906198</a>
CIELab	<a href="#">90.66, -18.18, 7.14</a>
CIELCh	<a href="#">91, 19.529, 158.552</a>
Yxy	<a href="#">77.7399, 0.2998, 0.3560</a>
Android (android.graphics.Color)	<a href="#">4291096278 (0xFFC4EED6)</a>
YUV	<a href="#">222.7060, -4.2921, -23.4212</a>
Hunter-Lab	<a href="#">88.1702, -21.7595, 11.1758</a>

# Details

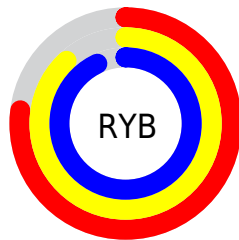
The Yxy color **77.7399, 0.2998, 0.3560** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.8084, 0.3281, 0.3035**, and the grayscale version is **73.6088, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **41.7099, 0.2971, 0.3630** is the 20% darker color. If you saturate the color by 10%, you get **74.1353, 0.2929, 0.3737**, and if you desaturate by 10%, it is **81.9153, 0.3071, 0.3400**.

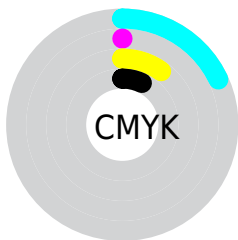
# Distribution



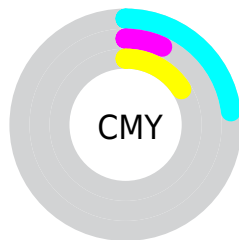
- Red (77%)
- Green (93%)
- Blue (84%)



- Red (77%)
- Yellow (88%)
- Blue (93%)



- Cyan (18%)
- Magenta (0%)
- Yellow (10%)
- Black (7%)



- Cyan (23%)
- Magenta (7%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.7399, 0.2998, 0.3560 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 77.7399, 0.2998, 0.3560 by changing the saturation by 10% instead.



77.7399, 0.2998,  
0.3560

77.7399, 0.2998,  
0.3560

487.2830, 0.3058,  
0.3434

57.8603, 0.2984,  
0.3589

130.1834, 0.3019,  
0.3516

41.6964, 0.2967,  
0.3625

163.5161, 0.3027,  
0.3499

28.8636, 0.2945,  
0.3671

202.1020, 0.3034,  
0.3484

18.9777, 0.2916,  
0.3732

246.3255, 0.3040,  
0.3472

11.6542, 0.2876,  
0.3816

296.5710, 0.3046,  
0.3460

6.5086, 0.2817,  
0.3938


353.2228, 0.3050,


3.1568, 0.2724,


0.3451

0.4134


416.6653, 0.3055,  
0.3442


 1.2141, 0.2532,  
0.4534

 0.0732, 0.0000,  
1.0000

 77.7399, 0.2998,  
0.3560

 77.7399, 0.2998,  
0.3560

 74.1353, 0.2929,  
0.3737


 81.9153, 0.3071,  
0.3400


 71.0664, 0.2866,  
0.3932

 86.6754, 0.3144,  
0.3258

 68.5094, 0.2813,  
0.4141

 89.6246, 0.3136,  
0.3129

 66.4346, 0.2772,  
0.4361

 89.6384, 0.3135,  
0.3127

■ 64.8092, 0.2748,  
0.4587

■ 63.5961, 0.2742,  
0.4811

■ 62.7517, 0.2756,  
0.5026

■ 62.2181, 0.2788,  
0.5224

■ 62.1182, 0.2797,  
0.5268

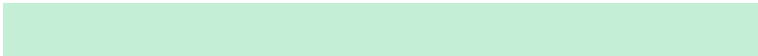
# Harmonies

## Analogous

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



77.7399, 0.3228, 0.3681



77.7399, 0.2998, 0.3560



77.7399, 0.2807, 0.3359

# Triad

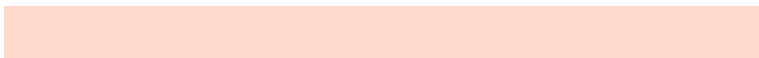
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.7399, 0.2998, 0.3560



77.7399, 0.2818, 0.2909



77.7399, 0.3572, 0.3407

# Complementary

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



77.7399, 0.2998, 0.3560



62.8084, 0.3281, 0.3035

# 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.



77.7399, 0.3454, 0.3212



77.7399, 0.2998, 0.3560



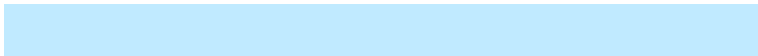
77.7399, 0.3013, 0.2931

# Square

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



77.7399, 0.2998, 0.3560



77.7399, 0.2706, 0.2984



77.7399, 0.3247, 0.3041

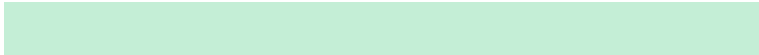


77.7399, 0.3565, 0.3581



# Rectangle

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



77.7399, 0.2998, 0.3560



77.7399, 0.2726, 0.3214



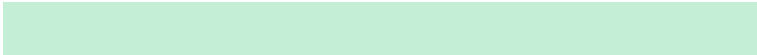
77.7399, 0.3247, 0.3041



77.7399, 0.3545, 0.3342

# Sweetspot

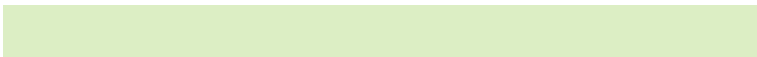
The Sweet Spot groups the original color and five complimentary colors.



77.7432, 0.2998, 0.3560



97.2012, 0.3090, 0.3361



80.4347, 0.3270, 0.3747



20.7239, 0.3085, 0.3371



0.0000, 0.0000, 0.0000

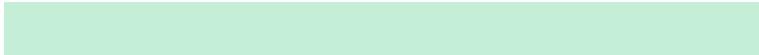


21.4041, 0.3127, 0.3290

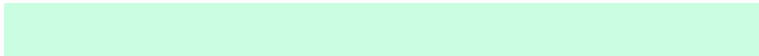


# Same Dimension

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



77.7432, 0.2998, 0.3560



89.4037, 0.2974, 0.3618



78.8587, 0.2880, 0.3328



17.7689, 0.3057, 0.3428



34.6752, 0.2788, 0.5239



2.9042, 0.2717, 0.4979



# Inverse Universe

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



62.8084, 0.3281, 0.3035



69.0722, 0.3317, 0.2983



61.7868, 0.3441, 0.3253



15.9102, 0.3204, 0.3156



11.1589, 0.4658, 0.2340



0.9482, 0.4414, 0.2205



# Previews

## White Background



This preview shows how the Yxy color 77.7399, 0.2998, 0.3560 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 77.7399, 0.2998, 0.3560 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

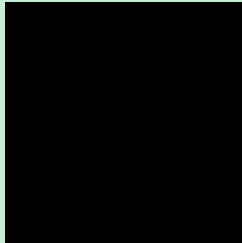
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

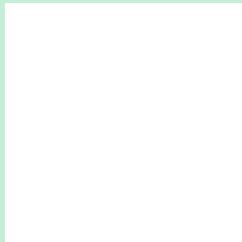
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 77.7399, 0.2998, 0.3560**

## Background



This preview shows how black text looks on a background with the Yxy color 77.7399, 0.2998, 0.3560.

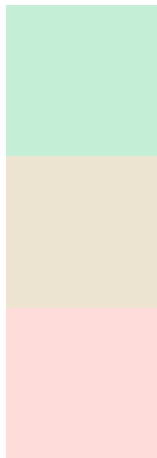


This preview shows how white text looks on a background with the Yxy color 77.7399, 0.2998, 0.3560.

# 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

77.7399, 0.2998, 0.3560

### Protanopia

77.3251, 0.3316, 0.3491

### Deuteranopia

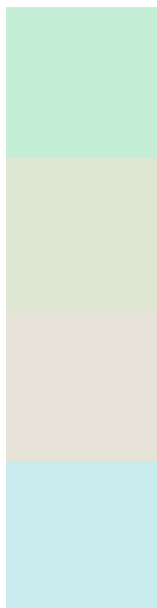
77.1310, 0.3381, 0.3311



## Tritanopia

77.9394, 0.2828, 0.3097

# Trichromacy



## Original Color

77.7399, 0.2998, 0.3560

## Protanomaly

77.1771, 0.3192, 0.3518

## Deuteranomaly

77.1037, 0.3227, 0.3396

## Tritanomaly

77.8691, 0.2884, 0.3257

# Monochromacy



## Original Color

77.7399, 0.2998, 0.3560

## Achromatopsia

73.7910, 0.3127, 0.3290

## Achromatomaly

74.8002, 0.3075, 0.3378

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.7399, 0.2998, 0.3560 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(196, 238, 214)` looks like.

```
.text, #text, p{  
    color:rgb(196, 238, 214)  
}
```

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(196, 238, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 238, 214) }
```

## Border

The CSS property to change the border of an element to Yxy 77.7399, 0.2998, 0.3560 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(196, 238, 214) }
```

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

```
.border{ border-color:rgb(196, 238, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 238, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 238, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 238, 214);  
box-shadow:4px 4px 4px 4px rgb(196, 238,  
214) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.7399, 0.2998, 0.3560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 238, 214) }
```

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

```
.background{ background-color: rgb(196,  
238, 214) }
```

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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