

# Converting Colors

$Yxy(78.0672, 0.2890, 0.3350)$

Have a look what the booklet for  
Yxy(78.0672, 0.2890, 0.3350)  
contains.

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# Color

**Yxy(77.9967, 0.2888, 0.3345)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C3EDE8
RGB	195, 237, 232
RGB Percent	76%, 93%, 91%
CMY	0.2355, 0.0705, 0.0903
CMYK	0.18, 0.00, 0.02, 0.07
HSL	173°, 54%, 85%
HSV	173°, 18%, 93%
XYZ	67.3406, 77.9967, 87.8366
YIQ	223.8720, -23.4270, -10.4590

# Conversions

## Conversions Part 2

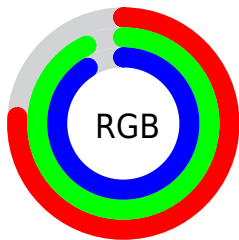
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	195, 217, 237
Decimal	12840424
CIE <sub>Lab</sub>	90.78, -14.51, -2.08
CIE <sub>LCh</sub>	91, 14.659, 188.159
Yxy	77.9967, 0.2888, 0.3345
Android (android.graphics.Color)	4291030504 (0xFFC3EDE8)
YUV	223.8720, 4.0071, -25.3207
Hunter-Lab	88.3157, -18.4465, 2.8527

# Details

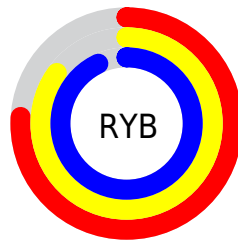
The Yxy color **77.9967, 0.2888, 0.3345** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.1786, 0.3431, 0.3236**, and the grayscale version is **74.4217, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4354, 0.3109, 0.3290**, and **41.8451, 0.2839, 0.3362** is the 20% darker color. If you saturate the color by 10%, you get **74.9306, 0.2765, 0.3380**, and if you desaturate by 10%, it is **81.5729, 0.3020, 0.3313**.

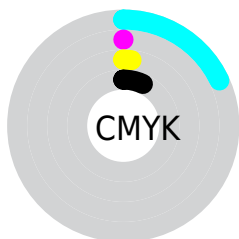
# Distribution



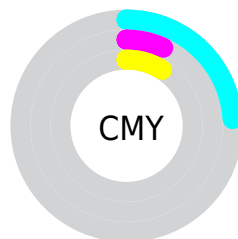
- Red (76%)
- Green (93%)
- Blue (91%)



- Red (76%)
- Yellow (85%)
- Blue (93%)



- Cyan (18%)
- Magenta (0%)
- Yellow (2%)
- Black (7%)




- Cyan (24%)
- Magenta (7%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.9967, 0.2888, 0.3345 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 77.9967, 0.2888, 0.3345 by changing the saturation by 10% instead.



 77.9967, 0.2888,  
0.3345

 77.9967, 0.2888,  
0.3345

488.1556, 0.2997,  
0.3321

 58.0713, 0.2864,  
0.3350


 130.5455, 0.2925,  
0.3337

 41.8659, 0.2833,  
0.3357

163.9376, 0.2940,  
0.3333

 28.9963, 0.2796,  
0.3365


202.5874, 0.2953,  
0.3331

 19.0781, 0.2747,  
0.3375

246.8793, 0.2964,  
0.3328

 11.7267, 0.2681,  
0.3389

297.1977, 0.2974,  
0.3326

 6.5579, 0.2588,  
0.3407


353.9269, 0.2982,


 3.1872, 0.2447,


0.3324

0.3434


417.4514, 0.2990,  
0.3322

 1.2302, 0.2204,  
0.3476


 0.0862, 0.0000,  
0.2648


 77.9967, 0.2888,  
0.3345


 77.9967, 0.2888,  
0.3345


 74.9306, 0.2765,  
0.3380


 81.5729, 0.3020,  
0.3313


 72.3414, 0.2654,  
0.3417

 85.6716, 0.3159,  
0.3284

 70.2067, 0.2558,  
0.3456

 88.1618, 0.3226,  
0.3256

 68.4987, 0.2479,  
0.3497

 88.3323, 0.3208,  
0.3229

■ 67.1865, 0.2419,  
0.3539

■ 88.5053, 0.3190,  
0.3201

■ 66.2348, 0.2379,  
0.3581

■ 88.6811, 0.3172,  
0.3174

■ 65.6023, 0.2358,  
0.3623

■ 88.8595, 0.3155,  
0.3147

■ 65.2331, 0.2354,  
0.3664

■ 89.0405, 0.3137,  
0.3120

■ 65.1672, 0.2354,  
0.3674

■ 89.0611, 0.3135,  
0.3117

# Harmonies

## Analogous

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



77.9967, 0.3033, 0.3492



77.9967, 0.2888, 0.3345



77.9967, 0.2807, 0.3186

# Triad

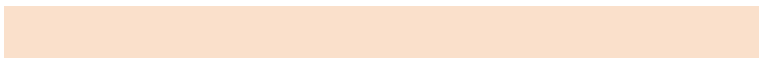
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.9967, 0.2888, 0.3345



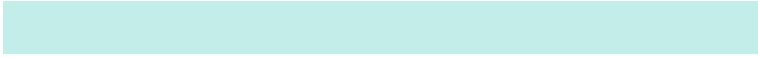
77.9967, 0.3041, 0.3017



77.9967, 0.3456, 0.3509

# Complementary

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



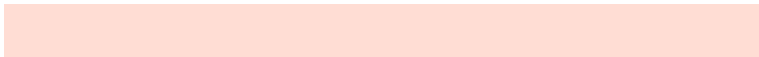
77.9967, 0.2888, 0.3345



61.1786, 0.3431, 0.3236

# 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.



77.9967, 0.3459, 0.3379



77.9967, 0.2888, 0.3345



77.9967, 0.3216, 0.3100

# Square

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



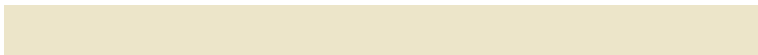
77.9967, 0.2888, 0.3345



77.9967, 0.2893, 0.3003



77.9967, 0.3370, 0.3230



77.9967, 0.3362, 0.3586

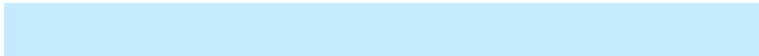


# Rectangle

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



77.9967, 0.2888, 0.3345



77.9967, 0.2798, 0.3097



77.9967, 0.3370, 0.3230



77.9967, 0.3467, 0.3470

# Sweetspot

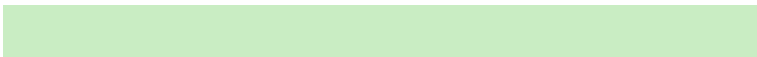
The Sweet Spot groups the original color and five complimentary colors.



77.9999, 0.2888, 0.3345



97.5636, 0.3058, 0.3305



76.8732, 0.3142, 0.3768



20.8121, 0.3048, 0.3307



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

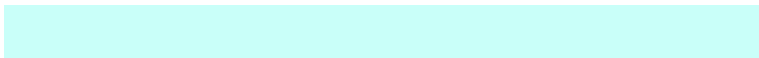


# Same Dimension

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



77.9999, 0.2888, 0.3345



90.8140, 0.2846, 0.3356



69.7345, 0.2851, 0.3116



17.0890, 0.2997, 0.3318



35.5845, 0.2352, 0.3667



2.8030, 0.2336, 0.3609



# Inverse Universe

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



61.1786, 0.3431, 0.3236



67.7906, 0.3502, 0.3225



68.2203, 0.3442, 0.3457



15.0834, 0.3274, 0.3262



9.8865, 0.6250, 0.3217

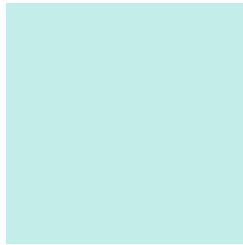


0.7859, 0.5955, 0.3054



# Previews

## White Background



This preview shows how the Yxy color 77.9967, 0.2888, 0.3345 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

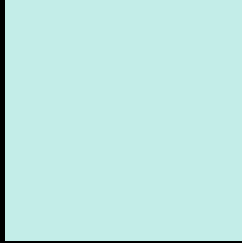
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.9967, 0.2888, 0.3345 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

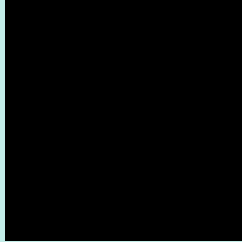
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

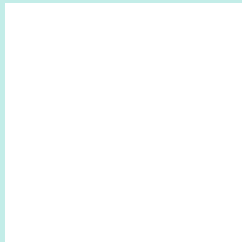
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 77.9967, 0.2888, 0.3345**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.9967, 0.2888, 0.3345.

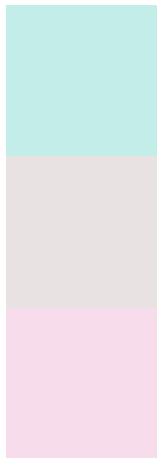


This preview shows how white text looks on a background with the Yxy color 77.9967, 0.2888, 0.3345.

# 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

77.9967, 0.2888, 0.3345

### Protanopia

77.5850, 0.3168, 0.3301

### Deuteranopia

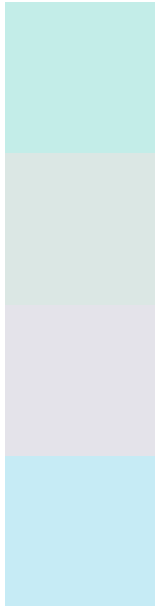
77.4852, 0.3219, 0.3149



## Tritanopia

78.0796, 0.2794, 0.3085

# Trichromacy



**Original Color**

77.9967, 0.2888, 0.3345

**Protanomaly**

77.8133, 0.3065, 0.3322

**Deuteranomaly**

77.3727, 0.3089, 0.3217

**Tritanomaly**

78.0150, 0.2833, 0.3181

# Monochromacy



**Original Color**

77.9967, 0.2888, 0.3345

**Achromatopsia**

74.5404, 0.3127, 0.3290

**Achromatomaly**

75.7308, 0.3031, 0.3311

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.9967, 0.2888, 0.3345 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(195, 237, 232)` looks like.

```
.text, #text, p{  
    color:rgb(195, 237, 232)  
}
```

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(195, 237, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 237, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 77.9967, 0.2888, 0.3345 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(195, 237, 232) }
```

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

```
.border{ border-color:rgb(195, 237, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 237, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 237, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 237, 232);  
box-shadow:4px 4px 4px 4px rgb(195, 237,  
232) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.9967, 0.2888, 0.3345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 237, 232) }
```

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

```
.background{ background-color: rgb(195,  
237, 232) }
```

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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