

# Converting Colors

$Yxy(78.0845, 0.2985, 0.3377)$

Have a look what the booklet for  
Yxy(78.0845, 0.2985, 0.3377)  
contains.

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# Color

**Yxy(78.0845, 0.2985, 0.3377)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CEEBE3
RGB	206, 235, 227
RGB Percent	81%, 92%, 89%
CMY	0.1923, 0.0784, 0.1097
CMYK	0.12, 0.00, 0.03, 0.08
HSL	163°, 42%, 86%
HSV	163°, 12%, 92%
XYZ	69.0205, 78.0845, 84.1195
YIQ	225.4170, -14.7160, -8.6360

# Conversions

## Conversions Part 2

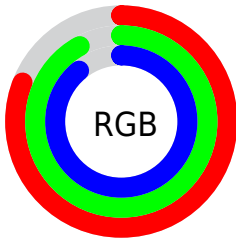
Format	Color
R <sub>Y</sub> B	206, 223, 235
Decimal	13560803
CIE Lab	90.82, -11.01, 0.65
CIE LCh	91, 11.026, 176.604
Yxy	78.0845, 0.2985, 0.3377
Android (android.graphics.Color)	4291750883 (0xFFCEE3E3)
YUV	225.4170, 0.7804, -17.0287
Hunter-Lab	88.3654, -15.2167, 5.4147

# Details

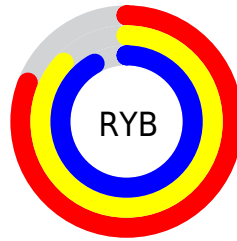
The Yxy color **78.0845, 0.2985, 0.3377** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.6411, 0.3292, 0.3205**, and the grayscale version is **75.6109, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.8942, 0.2954, 0.3389** is the 20% darker color. If you saturate the color by 10%, you get **74.6222, 0.2876, 0.3456**, and if you desaturate by 10%, it is **82.0696, 0.3100, 0.3306**.

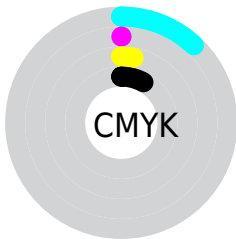
# Distribution



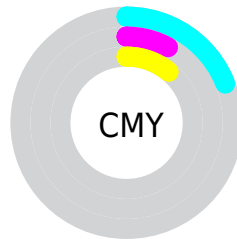
- Red (81%)
- Green (92%)
- Blue (89%)



- Red (81%)
- Yellow (87%)
- Blue (92%)



- Cyan (12%)
- Magenta (0%)
- Yellow (3%)
- Black (8%)



- Cyan (19%)
- Magenta (8%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.0845, 0.2985, 0.3377 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 78.0845, 0.2985, 0.3377 by changing the saturation by 10% instead.



■ 78.0845, 0.2985,  
0.3377

■ 78.0845, 0.2985,  
0.3377

488.4537, 0.3050,  
0.3337

■ 58.1434, 0.2970,  
0.3386

130.6692, 0.3007,  
0.3363

■ 41.9239, 0.2952,  
0.3397

164.0817, 0.3016,  
0.3358

■ 29.0417, 0.2929,  
0.3411

202.7533, 0.3024,  
0.3353

■ 19.1124, 0.2900,  
0.3429

247.0686, 0.3030,  
0.3349

■ 11.7515, 0.2860,  
0.3454

297.4118, 0.3036,  
0.3346

■ 6.5747, 0.2803,  
0.3489

354.1675, 0.3041,

■ 3.1976, 0.2715,

0.3343

417.7200, 0.3046,  
0.3340

0.3544

1.2357, 0.2562,  
0.3640

0.0906, 0.0000,  
0.6310

78.0845, 0.2985,  
0.3377

78.0845, 0.2985,  
0.3377

74.6222, 0.2876,  
0.3456

82.0696, 0.3100,  
0.3306

71.6505, 0.2775,  
0.3541

86.5888, 0.3217,  
0.3242


69.1486, 0.2685,  
0.3633

87.3641, 0.3190,  
0.3179

67.0904, 0.2610,  
0.3730


87.7692, 0.3149,  
0.3118

 65.4472, 0.2552,  
0.3831

 87.9045, 0.3136,  
0.3098

 64.1868, 0.2513,  
0.3935

 63.2722, 0.2494,  
0.4040

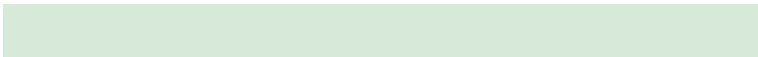
 62.6588, 0.2495,  
0.4144

 62.3397, 0.2506,  
0.4223

# Harmonies

## Analogous

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



78.0845, 0.3107, 0.3473



78.0845, 0.2985, 0.3377



78.0845, 0.2902, 0.3258

# Triad

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



78.0845, 0.2985, 0.3377



78.0845, 0.3015, 0.3073



78.0845, 0.3383, 0.3422

# Complementary

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



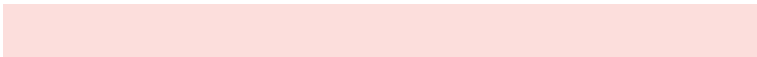
78.0845, 0.2985, 0.3377



66.6411, 0.3292, 0.3205

# 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.



78.0845, 0.3358, 0.3315



78.0845, 0.2985, 0.3377



78.0845, 0.3143, 0.3117

# Square

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



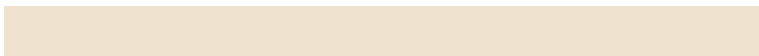
78.0845, 0.2985, 0.3377



78.0845, 0.2919, 0.3084



78.0845, 0.3269, 0.3204



78.0845, 0.3338, 0.3497



# Rectangle

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



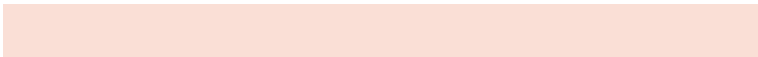
78.0845, 0.2985, 0.3377



78.0845, 0.2879, 0.3183



78.0845, 0.3269, 0.3204



78.0845, 0.3382, 0.3389

# Sweetspot

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



78.0878, 0.2985, 0.3377



97.9370, 0.3080, 0.3317



78.2039, 0.3168, 0.3609



20.8820, 0.3072, 0.3322



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

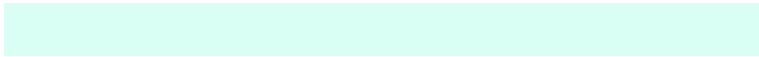


# Same Dimension

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



78.0878, 0.2985, 0.3377



92.7939, 0.2955, 0.3398



74.9983, 0.2937, 0.3221



17.0470, 0.3018, 0.3356



34.7130, 0.2502, 0.4206



2.7419, 0.2462, 0.4063



# Inverse Universe

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



66.6411, 0.3292, 0.3205



76.3182, 0.3334, 0.3185



69.3337, 0.3343, 0.3358



15.1222, 0.3250, 0.3225



10.0586, 0.5845, 0.2993

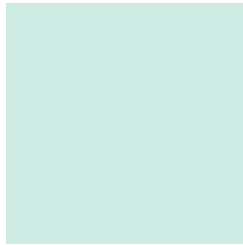


0.8056, 0.5451, 0.2777



# Previews

## White Background



This preview shows how the Yxy color 78.0845, 0.2985, 0.3377 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 78.0845, 0.2985, 0.3377 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

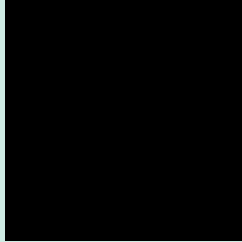
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

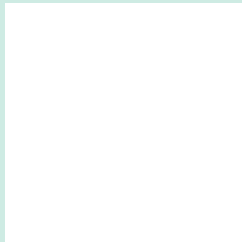
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 78.0845, 0.2985, 0.3377**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.0845, 0.2985, 0.3377.

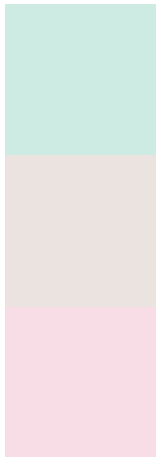


This preview shows how white text looks on a background with the Yxy color 78.0845, 0.2985, 0.3377.

# 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

78.0845, 0.2985, 0.3377

### Protanopia

77.7583, 0.3202, 0.3332

### Deuteranopia

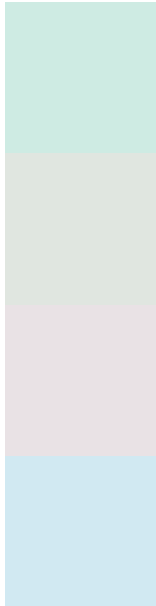
77.5658, 0.3267, 0.3199



## Tritanopia

78.3170, 0.2876, 0.3099

# Trichromacy



**Original Color**

78.0845, 0.2985, 0.3377

**Protanomaly**

77.8227, 0.3124, 0.3354

**Deuteranomaly**

77.3735, 0.3156, 0.3259

**Tritanomaly**

78.2439, 0.2916, 0.3193

# Monochromacy



**Original Color**

78.0845, 0.2985, 0.3377

**Achromatopsia**

75.2942, 0.3127, 0.3290

**Achromatomaly**

76.4350, 0.3071, 0.3322

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.0845, 0.2985, 0.3377 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(206, 235, 227)` looks like.

```
.text, #text, p{  
    color:rgb(206, 235, 227)  
}
```

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(206, 235, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 235, 227) }
```

## Border

The CSS property to change the border of an element to Yxy 78.0845, 0.2985, 0.3377 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(206, 235, 227) }
```

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

```
.border{ border-color:rgb(206, 235, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 235, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 235, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 235, 227);  
box-shadow:4px 4px 4px 4px rgb(206, 235,  
227) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.0845, 0.2985, 0.3377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 235, 227) }
```

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

```
.background{ background-color: rgb(206,  
235, 227) }
```

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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