

# Converting Colors

$Yxy(78.9895, 0.3148, 0.3733)$

Have a look what the booklet for  
Yxy(78.9895, 0.3148, 0.3733)  
contains.

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# Color

**Yxy(78.9783, 0.3152, 0.3736)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<a href="#">CEEFC7</a>
RGB	<a href="#">206, 239, 199</a>
RGB Percent	<a href="#">81%, 94%, 78%</a>
CMY	<a href="#">0.1921, 0.0627, 0.2195</a>
<a href="#">CMYK</a>	<a href="#">0.14, 0.00, 0.17, 0.06</a>
HSL	<a href="#">110°, 56%, 86%</a>
HSV	<a href="#">110°, 17%, 94%</a>
XYZ	<a href="#">66.6327, 78.9783, 65.7871</a>
YIQ	<a href="#">224.5730, -6.8280, -19.4360</a>

# Conversions

## Conversions Part 2

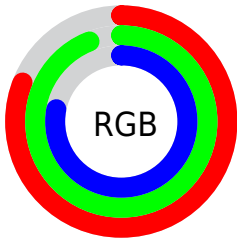
Format	Color
R <sub>Y</sub> B	199, 239, 232
Decimal	13561799
CIE Lab	91.22, -18.00, 15.79
CIE LCh	91, 23.945, 138.742
Yxy	78.9783, 0.3152, 0.3736
Android (android.graphics.Color)	4291751879 (0xFFCEEFC7)
YUV	224.5730, -12.6075, -16.2885
Hunter-Lab	88.8697, -21.6865, 18.3186

# Details

The Yxy color **78.9783, 0.3152, 0.3736** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **64.2582, 0.3094, 0.2869**, and the grayscale version is **75.0724, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.4906, 0.3151, 0.3847** is the 20% darker color. If you saturate the color by 10%, you get **75.3075, 0.3163, 0.4042**, and if you desaturate by 10%, it is **83.1849, 0.3138, 0.3459**.

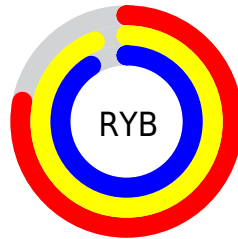
# Distribution



Red (81%)

Green (94%)

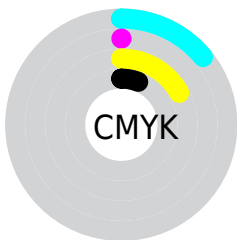
Blue (78%)



Red (78%)

Yellow (94%)

Blue (91%)

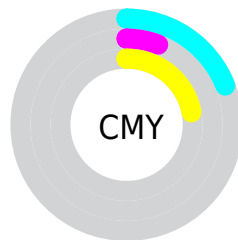


Cyan (14%)

Magenta (0%)

Yellow (17%)

Black (6%)



Cyan (19%)

Magenta (6%)


Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.9783, 0.3152, 0.3736 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 78.9783, 0.3152, 0.3736 by changing the saturation by 10% instead.




 78.9783, 0.3152,  
0.3736

 78.9783, 0.3152,  
0.3736

491.4829, 0.3144,  
0.3527

 58.8780, 0.3153,  
0.3784


131.9283, 0.3150,  
0.3663

 42.5149, 0.3154,  
0.3845


165.5468, 0.3149,  
0.3635

 29.5047, 0.3155,  
0.3922

204.4401, 0.3148,  
0.3610

 19.4629, 0.3154,  
0.4023

248.9926, 0.3147,  
0.3589

 12.0053, 0.3152,  
0.4162

299.5888, 0.3146,  
0.3571

 6.7473, 0.3144,  
0.4366


356.6129, 0.3145,


 3.3045, 0.3120,

0.3554


0.4691


420.4495, 0.3144,  
0.3540


 1.2927, 0.3248,  
0.5661


 0.1356, 0.0000,  
1.0000


 78.9783, 0.3152,  
0.3736


 78.9783, 0.3152,  
0.3736


 75.3075, 0.3163,  
0.4042


 83.1849, 0.3138,  
0.3459

 72.1411, 0.3170,  
0.4372

 87.9371, 0.3122,  
0.3213

 69.4598, 0.3171,  
0.4715

 90.2141, 0.3134,  
0.3136

 67.2392, 0.3164,  
0.5054

■ 65.4528, 0.3149,  
0.5367

■ 64.0712, 0.3124,  
0.5629

■ 63.0610, 0.3093,  
0.5822

■ 62.3828, 0.3058,  
0.5936

■ 62.2192, 0.3048,  
0.5962

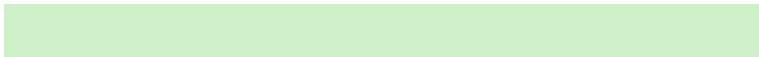
# Harmonies

## Analogous

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



78.9783, 0.3425, 0.3789



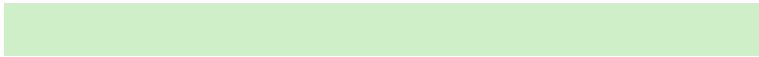
78.9783, 0.3152, 0.3736



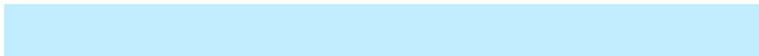
78.9783, 0.2881, 0.3545

# Triad

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



78.9783, 0.3152, 0.3736



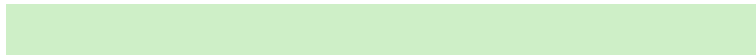
78.9783, 0.2649, 0.2873



78.9783, 0.3591, 0.3272

# Complementary

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



78.9783, 0.3152, 0.3736



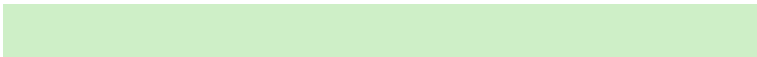
64.2582, 0.3094, 0.2869

# 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.



78.9783, 0.3366, 0.3052



78.9783, 0.3152, 0.3736



78.9783, 0.2822, 0.2825

# Square

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



78.9783, 0.3152, 0.3736



78.9783, 0.2599, 0.3035



78.9783, 0.3082, 0.2892

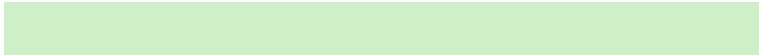


78.9783, 0.3686, 0.3506



# Rectangle

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



78.9783, 0.3152, 0.3736



78.9783, 0.2737, 0.3371



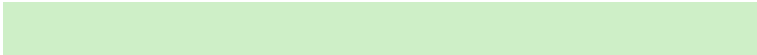
78.9783, 0.3082, 0.2892



78.9783, 0.3528, 0.3195

# Sweetspot

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



78.9817, 0.3152, 0.3736



97.2635, 0.3135, 0.3415



80.0068, 0.3391, 0.3633



20.7389, 0.3136, 0.3433



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

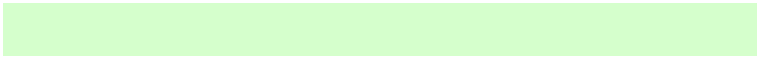


# Same Dimension

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



78.9817, 0.3152, 0.3736



90.0092, 0.3156, 0.3836



78.6194, 0.3031, 0.3595



17.7888, 0.3142, 0.3532



34.4221, 0.3055, 0.5957



2.9011, 0.3132, 0.5895



# Inverse Universe

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



64.2582, 0.3094, 0.2869



70.0186, 0.3086, 0.2781



64.7253, 0.3239, 0.3003



15.8839, 0.3110, 0.3055



10.0807, 0.2772, 0.1301

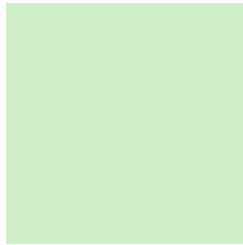


0.8749, 0.2833, 0.1334



# Previews

## White Background



This preview shows how the Yxy color 78.9783, 0.3152, 0.3736 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 78.9783, 0.3152, 0.3736 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

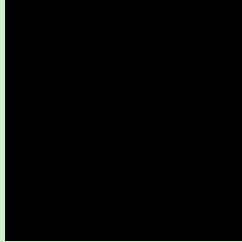
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

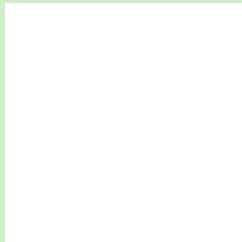
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 78.9783, 0.3152, 0.3736**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.9783, 0.3152, 0.3736.

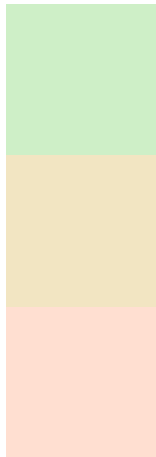


This preview shows how white text looks on a background with the Yxy color 78.9783, 0.3152, 0.3736.

# 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

78.9783, 0.3152, 0.3736

### Protanopia

78.8109, 0.3451, 0.3657

### Deuteranopia

78.6388, 0.3454, 0.3432



## Tritanopia

78.9115, 0.2901, 0.3100

# Trichromacy



**Original Color**

78.9783, 0.3152, 0.3736

**Protanomaly**

78.9214, 0.3337, 0.3687

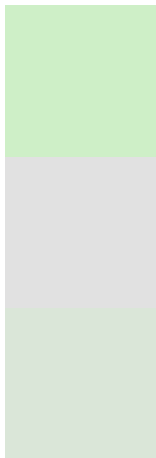
**Deuteranomaly**

78.4509, 0.3340, 0.3543

**Tritanomaly**

79.0351, 0.2994, 0.3333

# Monochromacy



**Original Color**

78.9783, 0.3152, 0.3736

**Achromatopsia**

75.2942, 0.3127, 0.3290

**Achromatomaly**

76.4569, 0.3134, 0.3442

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.9783, 0.3152, 0.3736 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, 239, 199)` looks like.

```
.text, #text, p{  
    color:rgb(206, 239, 199)  
}
```

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, 239, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 239, 199) }
```

## Border

The CSS property to change the border of an element to Yxy 78.9783, 0.3152, 0.3736 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, 239, 199) }
```

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

```
.border{ border-color:rgb(206, 239, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 239, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 239, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 239, 199);  
box-shadow:4px 4px 4px 4px rgb(206, 239,  
199) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.9783, 0.3152, 0.3736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 239, 199) }
```

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

```
.background{ background-color: rgb(206,  
239, 199) }
```

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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