

# Converting Colors

$Yxy(71.4750, 0.3108, 0.3720)$

Have a look what the booklet for  
Yxy(71.4750, 0.3108, 0.3720)  
contains.

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# Color

**Yxy(71.7813, 0.3107, 0.3722)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C1E6C1
RGB	193, 230, 193
RGB Percent	76%, 90%, 76%
CMY	0.2430, 0.0980, 0.2431
CMYK	0.16, 0.00, 0.16, 0.10
HSL	120°, 43%, 83%
HSV	120°, 16%, 90%
XYZ	59.9206, 71.7813, 61.1549
YIQ	214.7190, -10.1750, -19.3510

# Conversions

## Conversions Part 2

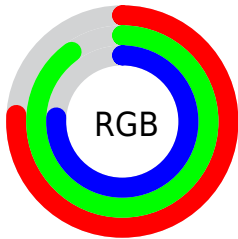
<b>Format</b>	<b>Color</b>
<b>RYB</b>	193, 230, 230
Decimal	12707521
CIELab	87.86, -18.96, 14.06
CIElCh	88, 23.603, 143.436
Yxy	71.7813, 0.3107, 0.3722
Android (android.graphics.Color)	4290897601 (0xFFC1E6C1)
YUV	214.7190, -10.7075, -19.0476
Hunter-Lab	84.7238, -22.0233, 16.5103

# Details

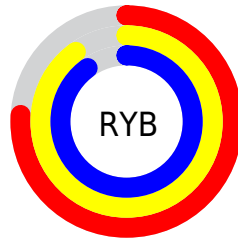
The Yxy color **71.7813, 0.3107, 0.3722** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **60.6782, 0.3146, 0.2893**, and the grayscale version is **67.8392, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6835, 0.3131, 0.3348**, and **37.6252, 0.3102, 0.3833** is the 20% darker color. If you saturate the color by 10%, you get **68.0455, 0.3092, 0.4036**, and if you desaturate by 10%, it is **76.1526, 0.3120, 0.3443**.

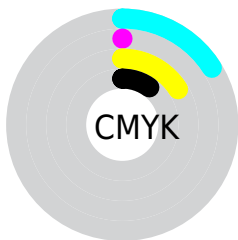
# Distribution



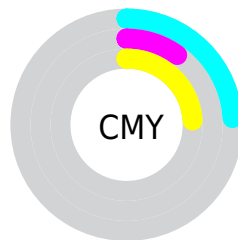
- Red (76%)
- Green (90%)
- Blue (76%)



- Red (76%)
- Yellow (90%)
- Blue (90%)



- Cyan (16%)
- Magenta (0%)
- Yellow (16%)
- Black (10%)




- Cyan (24%)
- Magenta (10%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.7813, 0.3107, 0.3722 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 71.7813, 0.3107, 0.3722 by changing the saturation by 10% instead.




 71.7813, 0.3107,  
0.3722

 71.7813, 0.3107,  
0.3722


466.7800, 0.3119,  
0.3516

 52.9800, 0.3103,  
0.3771

 121.7455, 0.3112,  
0.3649

 37.7868, 0.3099,  
0.3832


153.6773, 0.3114,  
0.3621

 25.8173, 0.3092,  
0.3911


190.7547, 0.3115,  
0.3597

 16.6870, 0.3082,  
0.4016

233.3622, 0.3116,  
0.3577

 10.0116, 0.3065,  
0.4164

281.8840, 0.3117,  
0.3558

 5.4066, 0.3037,  
0.4387


336.7047, 0.3118,

 2.4878, 0.2978,


0.3543

0.4756

398.2086, 0.3119,  
0.3528


 0.8705, 0.2952,  
0.7048


 0.0000, 0.0000,  
0.0000


 71.7813, 0.3107,  
0.3722

 71.7813, 0.3107,  
0.3722


 68.0455, 0.3092,  
0.4036


 76.1526, 0.3120,  
0.3443

 64.9069, 0.3076,  
0.4378

 81.1772, 0.3131,  
0.3198

 62.3374, 0.3059,  
0.4738

 85.0725, 0.3138,  
0.3048

 60.3029, 0.3043,  
0.5094

■ 58.7657, 0.3027,  
0.5421

■ 57.6832, 0.3015,  
0.5689

■ 57.0055, 0.3006,  
0.5877

■ 56.6710, 0.3001,  
0.5976

■ 56.5931, 0.3000,  
0.6000

# Harmonies

## Analogous

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



71.7813, 0.3389, 0.3800



71.7813, 0.3107, 0.3722



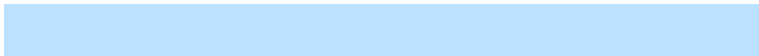
71.7813, 0.2839, 0.3510

# Triad

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



71.7813, 0.3107, 0.3722



71.7813, 0.2660, 0.2850



71.7813, 0.3625, 0.3310

# Complementary

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



71.7813, 0.3107, 0.3722



60.6782, 0.3146, 0.2893

# 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.



71.7813, 0.3412, 0.3080



71.7813, 0.3107, 0.3722



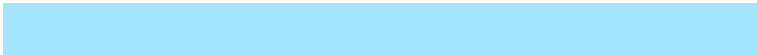
71.7813, 0.2853, 0.2821

# Square

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



71.7813, 0.3107, 0.3722



71.7813, 0.2589, 0.2997



71.7813, 0.3127, 0.2905



71.7813, 0.3697, 0.3545



# Rectangle

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



71.7813, 0.3107, 0.3722



71.7813, 0.2702, 0.3329



71.7813, 0.3127, 0.2905



71.7813, 0.3567, 0.3230

# Sweetspot

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



71.7844, 0.3107, 0.3722



96.8683, 0.3121, 0.3415



76.9234, 0.3369, 0.3682



20.6432, 0.3120, 0.3434



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

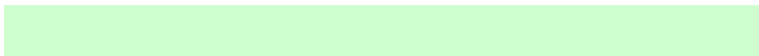


# Same Dimension

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



71.7844, 0.3107, 0.3722



89.2067, 0.3103, 0.3814



72.6291, 0.2997, 0.3509



16.0895, 0.3116, 0.3533



32.0406, 0.3000, 0.6000



2.3678, 0.3000, 0.6000



# Inverse Universe

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



60.6782, 0.3146, 0.2893



72.8840, 0.3149, 0.2817



59.7274, 0.3281, 0.3081



14.6149, 0.3138, 0.3059



12.7497, 0.3208, 0.1541



0.9423, 0.3208, 0.1541



# Previews

## White Background



This preview shows how the Yxy color 71.7813, 0.3107, 0.3722 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

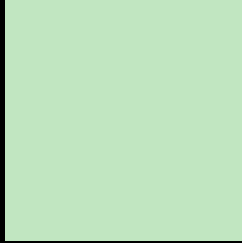
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.7813, 0.3107, 0.3722 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

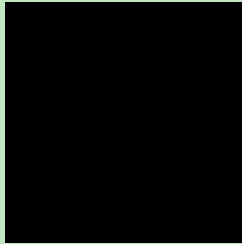
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

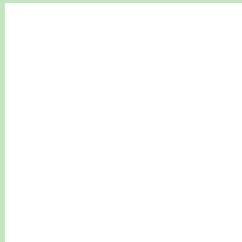
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 71.7813, 0.3107, 0.3722**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.7813, 0.3107, 0.3722.

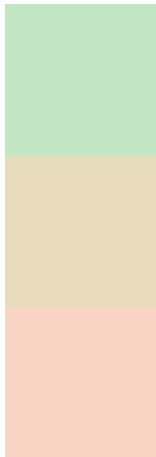


This preview shows how white text looks on a background with the Yxy color 71.7813, 0.3107, 0.3722.

# 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**

71.7813, 0.3107, 0.3722

**Protanopia**

71.2828, 0.3429, 0.3629

**Deuteranopia**

71.2579, 0.3517, 0.3448



## Tritanopia

71.5437, 0.2867, 0.3091

# Trichromacy



**Original Color**

71.7813, 0.3107, 0.3722

**Protanomaly**

71.2448, 0.3304, 0.3661

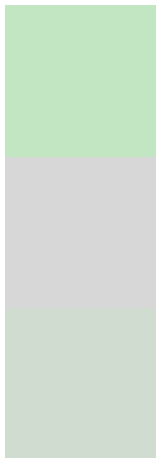
**Deuteranomaly**

71.3066, 0.3358, 0.3542

**Tritanomaly**

71.7803, 0.2950, 0.3312

# Monochromacy



**Original Color**

71.7813, 0.3107, 0.3722

**Achromatopsia**

67.9542, 0.3127, 0.3290

**Achromatomaly**

68.9568, 0.3120, 0.3438

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.7813, 0.3107, 0.3722 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(193, 230, 193)` looks like.

```
.text, #text, p{  
    color:rgb(193, 230, 193)  
}
```

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(193, 230, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 230, 193) }
```

## Border

The CSS property to change the border of an element to Yxy 71.7813, 0.3107, 0.3722 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(193, 230, 193) }
```

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

```
.border{ border-color:rgb(193, 230, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 230, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 230, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 230, 193);  
box-shadow:4px 4px 4px 4px rgb(193, 230,  
193) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.7813, 0.3107, 0.3722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 230, 193) }
```

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

```
.background{ background-color: rgb(193,  
230, 193) }
```

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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