

Converting Colors

$Yxy(70.5935, 0.3120, 0.3794)$

Have a look what the booklet for
Yxy(70.5935, 0.3120, 0.3794)
contains.

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Color

Yxy(70.4453, 0.3117, 0.3788)

Conversions

Conversions Part 1

Format	Color
Hex	BDE5BB
RGB	189, 229, 187
RGB Percent	74%, 90%, 73%
CMY	0.2590, 0.1019, 0.2666
CMYK	0.17, 0.00, 0.18, 0.10
HSL	117°, 45%, 82%
HSV	117°, 18%, 90%
XYZ	57.9667, 70.4453, 57.5576
YIQ	212.2520, -10.3580, -21.5420

Conversions

Conversions Part 2

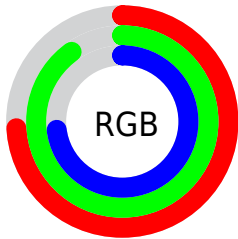
Format	Color
RYB	187, 229, 227
Decimal	12445115
CIELab	87.21, -20.87, 16.24
CIELCh	87, 26.450, 142.111
Yxy	70.4453, 0.3117, 0.3788
Android (android.graphics.Color)	4290635195 (0xFFBDE5BB)
YUV	212.2520, -12.4492, -20.3920
Hunter-Lab	83.9317, -23.6009, 18.0931

Details

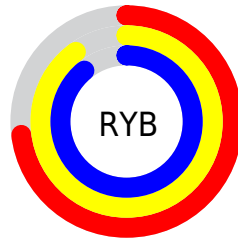
The Yxy color **70.4453, 0.3117, 0.3788** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **57.5426, 0.3133, 0.2834**, and the grayscale version is **66.1006, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5839, 0.3140, 0.3407**, and **36.7593, 0.3107, 0.3906** is the 20% darker color. If you saturate the color by 10%, you get **66.9594, 0.3109, 0.4106**, and if you desaturate by 10%, it is **74.5142, 0.3123, 0.3502**.

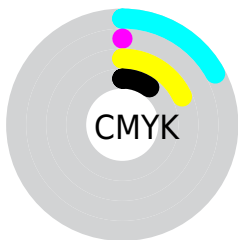
Distribution



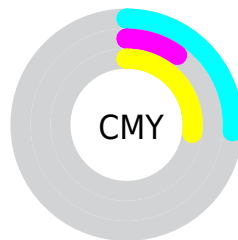
- Red (74%)
- Green (90%)
- Blue (73%)



- Red (73%)
- Yellow (90%)
- Blue (89%)



- Cyan (17%)
- Magenta (0%)
- Yellow (18%)
- Black (10%)




- Cyan (26%)
- Magenta (10%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.4453, 0.3117, 0.3788 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 70.4453, 0.3117, 0.3788 by changing the saturation by 10% instead.


 70.4453, 0.3117,
0.3788

 70.4453, 0.3117,
0.3788

462.1120, 0.3126,
0.3549

 51.8896, 0.3114,
0.3845


 119.8436, 0.3121,
0.3703

 36.9171, 0.3110,
0.3917


151.4550, 0.3122,
0.3671

 25.1433, 0.3103,
0.4009


188.1871, 0.3123,
0.3643

 16.1839, 0.3093,
0.4133

230.4243, 0.3124,
0.3619

 9.6544, 0.3076,
0.4309

278.5510, 0.3124,
0.3598

 5.1704, 0.3044,
0.4574

332.9516, 0.3125,

 2.3476, 0.2973,

0.3580

394.0104, 0.3125,
0.3563

0.5019

0.7987, 0.2381,
0.7619

0.0000, 0.0000,
0.0000

70.4453, 0.3117,
0.3788

70.4453, 0.3117,
0.3788

66.9594, 0.3109,
0.4106

74.5142, 0.3123,
0.3502

64.0212, 0.3098,
0.4450

79.1814, 0.3128,
0.3251

61.6057, 0.3085,
0.4806

84.4273, 0.3135,
0.3038

59.6821, 0.3069,
0.5154

84.5273, 0.3139,
0.3039

■ 58.2167, 0.3053,
0.5469

■ 57.1712, 0.3036,
0.5722

■ 56.5015, 0.3020,
0.5895

■ 56.1509, 0.3008,
0.5984

■ 56.1159, 0.3008,
0.5994

Harmonies

Analogous

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



70.4453, 0.3434, 0.3867



70.4453, 0.3117, 0.3788



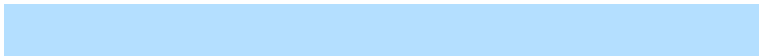
70.4453, 0.2814, 0.3551

Triad

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



70.4453, 0.3117, 0.3788



70.4453, 0.2597, 0.2800



70.4453, 0.3681, 0.3298

Complementary

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



70.4453, 0.3117, 0.3788



57.5426, 0.3133, 0.2834

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.



70.4453, 0.3435, 0.3044



70.4453, 0.3117, 0.3788



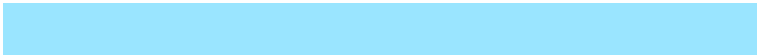
70.4453, 0.2807, 0.2763

Square

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



70.4453, 0.3117, 0.3788



70.4453, 0.2523, 0.2968



70.4453, 0.3111, 0.2853



70.4453, 0.3770, 0.3562

Rectangle

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



70.4453, 0.3117, 0.3788



70.4453, 0.2658, 0.3347



70.4453, 0.3111, 0.2853



70.4453, 0.3614, 0.3209

Sweetspot

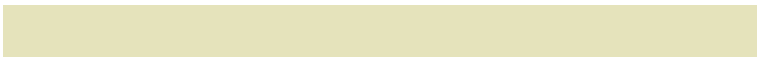
The Sweet Spot groups the original color and five complimentary colors.



70.4483, 0.3117, 0.3788



96.3905, 0.3124, 0.3441



75.1405, 0.3407, 0.3724



20.5511, 0.3124, 0.3458



0.0000, 0.0000, 0.0000



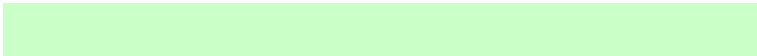
21.4041, 0.3127, 0.3290

Same Dimension

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



70.4483, 0.3117, 0.3788



88.1261, 0.3114, 0.3905



71.0646, 0.2988, 0.3560



16.1209, 0.3123, 0.3532



32.0936, 0.3010, 0.5992



2.3829, 0.3039, 0.5969

Inverse Universe

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



57.5426, 0.3133, 0.2834



68.7906, 0.3134, 0.2738



56.8621, 0.3295, 0.3035



14.5794, 0.3131, 0.3058



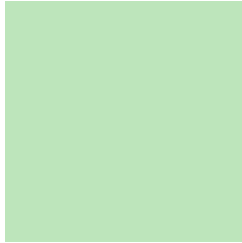
11.8051, 0.3094, 0.1478



0.8829, 0.3112, 0.1488

Previews

White Background



This preview shows how the Yxy color 70.4453, 0.3117, 0.3788 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 70.4453, 0.3117, 0.3788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

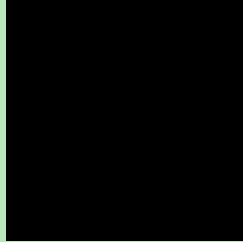
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

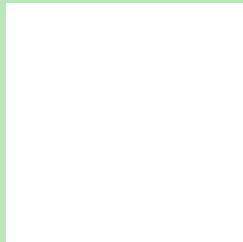
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.4453, 0.3117, 0.3788

Background



This preview shows how black text looks on a background with the Yxy color 70.4453, 0.3117, 0.3788.

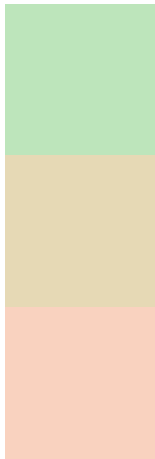


This preview shows how white text looks on a background with the Yxy color 70.4453, 0.3117, 0.3788.

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

70.4453, 0.3117, 0.3788

Protanopia

69.7849, 0.3475, 0.3687

Deuteranopia

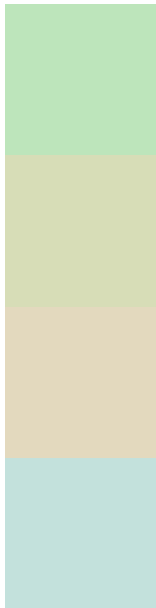
69.9945, 0.3566, 0.3490



Tritanopia

70.4803, 0.2859, 0.3101

Trichromacy



Original Color

70.4453, 0.3117, 0.3788

Protanomaly

69.5789, 0.3339, 0.3722

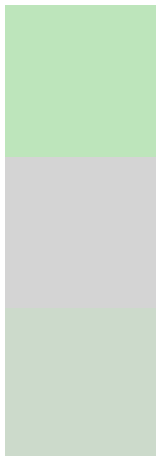
Deuteranomaly

69.6743, 0.3388, 0.3589

Tritanomaly

70.6198, 0.2955, 0.3347

Monochromacy



Original Color

70.4453, 0.3117, 0.3788

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

67.2920, 0.3126, 0.3463

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.4453, 0.3117, 0.3788 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(189, 229, 187)` looks like.

```
.text, #text, p{  
    color:rgb(189, 229, 187)  
}
```

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(189, 229, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 229, 187) }
```

Border

The CSS property to change the border of an element to Yxy 70.4453, 0.3117, 0.3788 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(189, 229, 187) }
```

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

```
.border{ border-color:rgb(189, 229, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 229, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 229, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 229, 187);  
box-shadow:4px 4px 4px 4px rgb(189, 229,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 70.4453, 0.3117, 0.3788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 229, 187) }
```

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

```
.background{ background-color: rgb(189,  
229, 187) }
```

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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