

Converting Colors

$Yxy(70.3991, 0.3071, 0.3617)$

Have a look what the booklet for
Yxy(70.3991, 0.3071, 0.3617)
contains.

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Color

Yxy(70.3991, 0.3071, 0.3617)

Conversions

Conversions Part 1

Format	Color
Hex	C1E3C7
RGB	193, 227, 199
RGB Percent	76%, 89%, 78%
CMY	0.2431, 0.1098, 0.2197
CMYK	0.15, 0.00, 0.12, 0.11
HSL	131°, 38%, 82%
HSV	131°, 15%, 89%
XYZ	59.7721, 70.3991, 64.4628
YIQ	213.6420, -11.2760, -15.9160

Conversions

Conversions Part 2

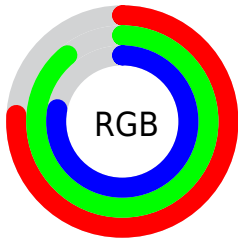
Format	Color
RYB	193, 222, 227
Decimal	12706759
CIELab	87.19, -16.42, 9.98
CIELCh	87, 19.215, 148.707
Yxy	70.3991, 0.3071, 0.3617
Android (android.graphics.Color)	4290896839 (0xFFC1E3C7)
YUV	213.6420, -7.2185, -18.1030
Hunter-Lab	83.9042, -19.6715, 13.1810

Details

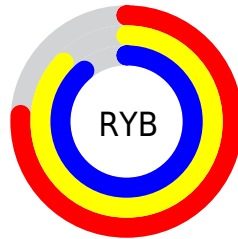
The Yxy color **70.3991, 0.3071, 0.3617** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **59.7013, 0.3189, 0.2984**, and the grayscale version is **67.0501, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0640, 0.3096, 0.3290**, and **37.0383, 0.3055, 0.3708** is the 20% darker color. If you saturate the color by 10%, you get **66.8274, 0.3034, 0.3870**, and if you desaturate by 10%, it is **74.5416, 0.3109, 0.3392**.

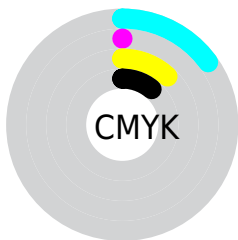
Distribution



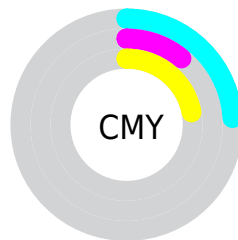
- Red (76%)
- Green (89%)
- Blue (78%)



- Red (76%)
- Yellow (87%)
- Blue (89%)



- Cyan (15%)
- Magenta (0%)
- Yellow (12%)
- Black (11%)





- Cyan (24%)
- Magenta (11%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.3991, 0.3071, 0.3617 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 70.3991, 0.3071, 0.3617 by changing the saturation by 10% instead.

 70.3991, 0.3071,
0.3617

 70.3991, 0.3071,
0.3617


461.9501, 0.3099,
0.3461

 51.8520, 0.3064,
0.3654


 119.7777, 0.3081,
0.3562

 36.8871, 0.3055,
0.3700


151.3780, 0.3085,
0.3541

 25.1201, 0.3044,
0.3759


188.0981, 0.3088,
0.3523

 16.1665, 0.3028,
0.3839

230.3225, 0.3091,
0.3507

 9.6421, 0.3005,
0.3951

278.4354, 0.3093,
0.3493

 5.1623, 0.2968,
0.4119

332.8214, 0.3095,

 2.3428, 0.2902,

0.3481

0.4401

393.8649, 0.3097,
0.3471

0.7962, 0.2694,
0.6026

0.0000, 0.0000,
0.0000

70.3991, 0.3071,
0.3617

70.3991, 0.3071,
0.3617

66.8274, 0.3034,
0.3870

74.5416, 0.3109,
0.3392

63.7927, 0.2998,
0.4149

79.2691, 0.3146,
0.3194

61.2717, 0.2967,
0.4449

83.4193, 0.3140,
0.3019

59.2355, 0.2942,
0.4759

■ 57.6525, 0.2927,
0.5065

■ 56.4872, 0.2923,
0.5350

■ 55.6987, 0.2931,
0.5595

■ 55.2375, 0.2949,
0.5782

■ 55.0917, 0.2960,
0.5854

Harmonies

Analogous

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



70.3991, 0.3305, 0.3703



70.3991, 0.3071, 0.3617



70.3991, 0.2858, 0.3432

Triad

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



70.3991, 0.3071, 0.3617



70.3991, 0.2764, 0.2917



70.3991, 0.3553, 0.3344

Complementary

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



70.3991, 0.3071, 0.3617



59.7013, 0.3189, 0.2984

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.



70.3991, 0.3398, 0.3149



70.3991, 0.3071, 0.3617



70.3991, 0.2939, 0.2908

Square

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



70.3991, 0.3071, 0.3617



70.3991, 0.2685, 0.3024



70.3991, 0.3171, 0.2992



70.3991, 0.3589, 0.3533

Rectangle

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



70.3991, 0.3071, 0.3617



70.3991, 0.2754, 0.3285



70.3991, 0.3171, 0.2992



70.3991, 0.3513, 0.3277

Sweetspot

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



70.4021, 0.3071, 0.3617



97.5868, 0.3112, 0.3372



74.2156, 0.3310, 0.3665



20.7934, 0.3109, 0.3388



0.0000, 0.0000, 0.0000



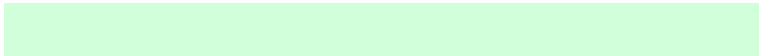
21.4041, 0.3127, 0.3290

Same Dimension

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



70.4021, 0.3071, 0.3617



90.1082, 0.3059, 0.3694



71.2201, 0.2968, 0.3420



16.1303, 0.3092, 0.3489



32.1410, 0.2954, 0.5835



2.3873, 0.2885, 0.5587

Inverse Universe

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



59.7013, 0.3189, 0.2984



73.6215, 0.3204, 0.2917



58.8554, 0.3317, 0.3164



14.5695, 0.3165, 0.3098



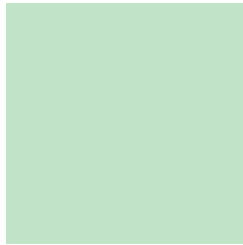
11.6352, 0.3709, 0.1817



0.8713, 0.3623, 0.1770

Previews

White Background



This preview shows how the Yxy color 70.3991, 0.3071, 0.3617 looks on a white background.

Color Contrast Check

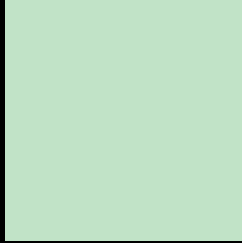
Large Text (above 18pt) WCAG AA × Fail

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 70.3991, 0.3071, 0.3617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

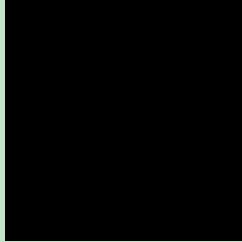
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

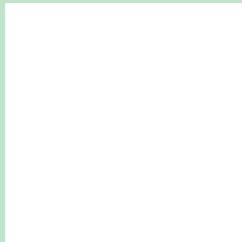
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.3991, 0.3071, 0.3617

Background



This preview shows how black text looks on a background with the Yxy color 70.3991, 0.3071, 0.3617.

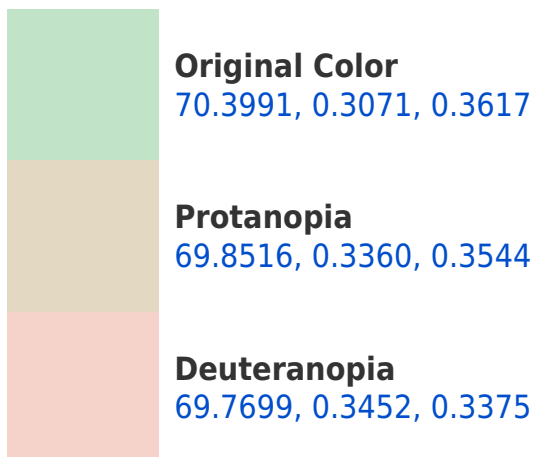


This preview shows how white text looks on a background with the Yxy color 70.3991, 0.3071, 0.3617.

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





Tritanopia

70.2243, 0.2871, 0.3090

Trichromacy



Original Color

70.3991, 0.3071, 0.3617

Protanomaly

70.1455, 0.3251, 0.3572

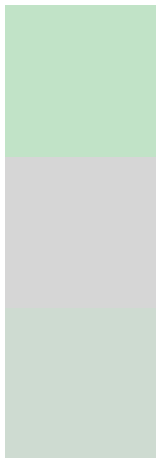
Deuteranomaly

69.4975, 0.3304, 0.3455

Tritanomaly

70.0275, 0.2943, 0.3278

Monochromacy



Original Color

70.3991, 0.3071, 0.3617

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

68.3883, 0.3100, 0.3404

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.3991, 0.3071, 0.3617 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, 227, 199)` looks like.

```
.text, #text, p{  
    color:rgb(193, 227, 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(193, 227, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 227, 199) }
```

Border

The CSS property to change the border of an element to Yxy 70.3991, 0.3071, 0.3617 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, 227, 199) }
```

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

```
.border{ border-color:rgb(193, 227, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 227, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 227, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 227, 199);  
box-shadow:4px 4px 4px 4px rgb(193, 227,  
199) }
```


Background

The CSS property to change the background color of an element to `rgb(70.3991, 0.3071, 0.3617)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 227, 199) }
```

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

```
.background{ background-color: rgb(193,  
227, 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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