

Converting Colors

$Yxy(70.5889, 0.3048, 0.3680)$

Have a look what the booklet for
Yxy(70.5889, 0.3048, 0.3680)
contains.

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Color

Yxy(70.5889, 0.3048, 0.3680)

Conversions

Conversions Part 1

Format	Color
Hex	BBE5C4
RGB	187, 229, 196
RGB Percent	73%, 90%, 77%
CMY	0.2669, 0.1019, 0.2314
CMYK	0.18, 0.00, 0.14, 0.10
HSL	133°, 45%, 82%
HSV	133°, 18%, 90%
XYZ	58.4660, 70.5889, 62.7627
YIQ	212.6800, -14.4390, -19.1670

Conversions

Conversions Part 2

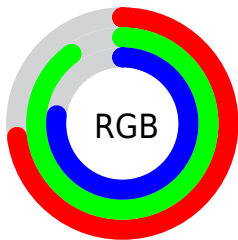
Format	Color
RYB	187, 222, 229
Decimal	12314052
CIELab	87.28, -19.96, 11.63
CIElCh	87, 23.103, 149.775
Yxy	70.5889, 0.3048, 0.3680
Android (android.graphics.Color)	4290504132 (0xFFBBE5C4)
YUV	212.6800, -8.2232, -22.5214
Hunter-Lab	84.0172, -22.8152, 14.5211

Details

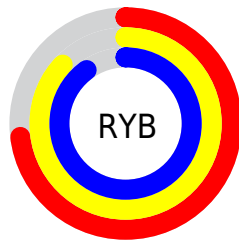
The Yxy color **70.5889, 0.3048, 0.3680** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **57.3452, 0.3218, 0.2929**, and the grayscale version is **66.3729, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8449, 0.3071, 0.3309**, and **36.8267, 0.3026, 0.3778** is the 20% darker color. If you saturate the color by 10%, you get **67.1608, 0.3006, 0.3929**, and if you desaturate by 10%, it is **74.5816, 0.3091, 0.3457**.

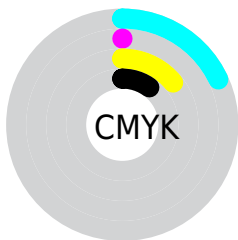
Distribution



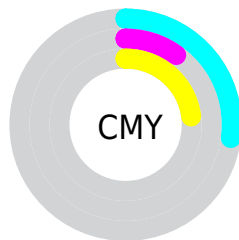
- Red (73%)
- Green (90%)
- Blue (77%)



- Red (73%)
- Yellow (87%)
- Blue (90%)



- Cyan (18%)
- Magenta (0%)
- Yellow (14%)
- Black (10%)





- Cyan (27%)
- Magenta (10%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.5889, 0.3048, 0.3680 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 70.5889, 0.3048, 0.3680 by changing the saturation by 10% instead.


 70.5889, 0.3048,
0.3680

 70.5889, 0.3048,
0.3680


462.6150, 0.3087,
0.3493

 52.0068, 0.3038,
0.3724

 120.0482, 0.3062,
0.3614

 37.0105, 0.3026,
0.3780


151.6941, 0.3068,
0.3589

 25.2156, 0.3010,
0.3851


188.4635, 0.3072,
0.3567

 16.2378, 0.2987,
0.3948

230.7406, 0.3076,
0.3548

 9.6926, 0.2954,
0.4083

278.9100, 0.3079,
0.3532

 5.1956, 0.2903,
0.4288

333.3559, 0.3082,

 2.3625, 0.2809,

0.3518

394.4628, 0.3085,
0.3505

0.4633

0.8065, 0.2426,
0.7008

0.0000, 0.0000,
0.0000

70.5889, 0.3048,
0.3680

70.5889, 0.3048,
0.3680

67.1608, 0.3006,
0.3929

74.5816, 0.3091,
0.3457

64.2632, 0.2967,
0.4202

79.1536, 0.3134,
0.3260

61.8718, 0.2935,
0.4493

84.2060, 0.3171,
0.3087

59.9570, 0.2911,
0.4792

84.5285, 0.3139,
0.3039

■ 58.4859, 0.2898,
0.5085

■ 57.4216, 0.2899,
0.5356

■ 56.7206, 0.2914,
0.5588

■ 56.3221, 0.2939,
0.5768

■ 56.2723, 0.2942,
0.5793

Harmonies

Analogous

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



70.5889, 0.3329, 0.3788



70.5889, 0.3048, 0.3680



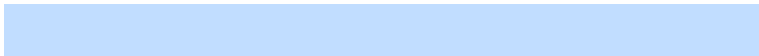
70.5889, 0.2796, 0.3452

Triad

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



70.5889, 0.3048, 0.3680



70.5889, 0.2699, 0.2841



70.5889, 0.3645, 0.3360

Complementary

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



70.5889, 0.3048, 0.3680



57.3452, 0.3218, 0.2929

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.



70.5889, 0.3461, 0.3128



70.5889, 0.3048, 0.3680



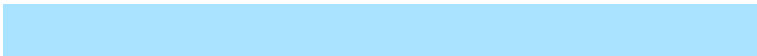
70.5889, 0.2910, 0.2836

Square

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



70.5889, 0.3048, 0.3680



70.5889, 0.2601, 0.2963



70.5889, 0.3188, 0.2941



70.5889, 0.3682, 0.3585

Rectangle

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



70.5889, 0.3048, 0.3680



70.5889, 0.2676, 0.3272



70.5889, 0.3188, 0.2941



70.5889, 0.3598, 0.3281

Sweetspot

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



70.5919, 0.3048, 0.3680



96.4632, 0.3101, 0.3408



74.9441, 0.3342, 0.3755



20.5682, 0.3098, 0.3422



0.0000, 0.0000, 0.0000



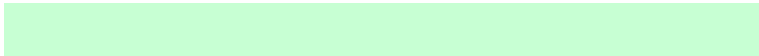
21.4041, 0.3127, 0.3290

Same Dimension

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



70.5919, 0.3048, 0.3680



88.3497, 0.3032, 0.3771



71.5851, 0.2925, 0.3435



16.1396, 0.3086, 0.3480



32.1825, 0.2936, 0.5770



2.3917, 0.2862, 0.5502

Inverse Universe

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



57.3452, 0.3218, 0.2929



68.5282, 0.3239, 0.2853



56.3294, 0.3380, 0.3150



14.5594, 0.3171, 0.3107



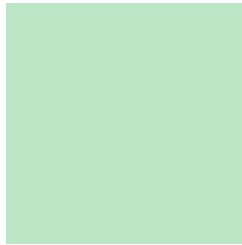
11.4213, 0.3839, 0.1889



0.8572, 0.3729, 0.1828

Previews

White Background



This preview shows how the Yxy color 70.5889, 0.3048, 0.3680 looks on a white background.

Color Contrast Check

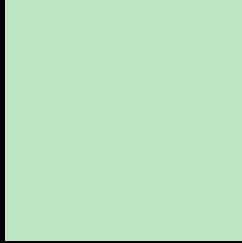
Large Text (above 18pt) WCAG AA × Fail

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 70.5889, 0.3048, 0.3680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

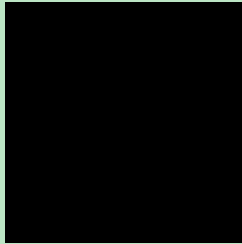
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

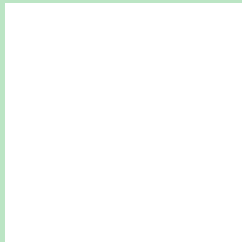
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.5889, 0.3048, 0.3680

Background



This preview shows how black text looks on a background with the Yxy color 70.5889, 0.3048, 0.3680.



This preview shows how white text looks on a background with the Yxy color 70.5889, 0.3048, 0.3680.

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

70.5889, 0.3048, 0.3680

Protanopia

70.5185, 0.3402, 0.3598

Deuteranopia

69.8561, 0.3475, 0.3396



Tritanopia

70.6687, 0.2835, 0.3100

Trichromacy



Original Color

70.5889, 0.3048, 0.3680

Protanomaly

70.3445, 0.3269, 0.3629

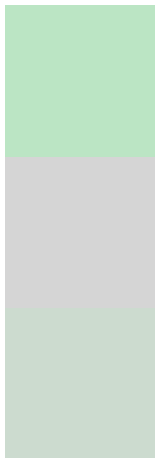
Deuteranomaly

69.7568, 0.3310, 0.3489

Tritanomaly

70.4387, 0.2911, 0.3301

Monochromacy



Original Color

70.5889, 0.3048, 0.3680

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

68.0054, 0.3099, 0.3427

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.5889, 0.3048, 0.3680 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(187, 229, 196)` looks like.

```
.text, #text, p{  
    color:rgb(187, 229, 196)  
}
```

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(187, 229, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 229, 196) }
```

Border

The CSS property to change the border of an element to Yxy 70.5889, 0.3048, 0.3680 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(187, 229, 196) }
```

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

```
.border{ border-color:rgb(187, 229, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 229, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 229, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 229, 196);  
box-shadow:4px 4px 4px 4px rgb(187, 229,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 70.5889, 0.3048, 0.3680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 229, 196) }
```

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

```
.background{ background-color: rgb(187,  
229, 196) }
```

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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