

Converting Colors

$Yxy(70.1089, 0.3175, 0.3818)$

Have a look what the booklet for
Yxy(70.1089, 0.3175, 0.3818)
contains.

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Color

Yxy(70.2432, 0.3171, 0.3821)

Conversions

Conversions Part 1

Format	Color
Hex	C1E4B7
RGB	193, 228, 183
RGB Percent	76%, 89%, 72%
CMY	0.2429, 0.1059, 0.2823
CMYK	0.15, 0.00, 0.20, 0.11
HSL	107°, 45%, 81%
HSV	107°, 20%, 89%
XYZ	58.2940, 70.2432, 55.2974
YIQ	212.4050, -6.4150, -21.4150

Conversions

Conversions Part 2

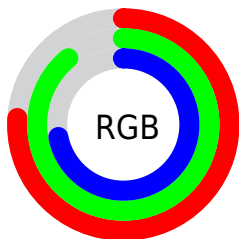
Format	Color
RYB	183, 228, 218
Decimal	12706999
CIELab	87.12, -19.65, 18.22
CIELCh	87, 26.798, 137.168
Yxy	70.2432, 0.3171, 0.3821
Android (android.graphics.Color)	4290897079 (0xFFC1E4B7)
YUV	212.4050, -14.4967, -17.0182
Hunter-Lab	83.8112, -22.5160, 19.5492

Details

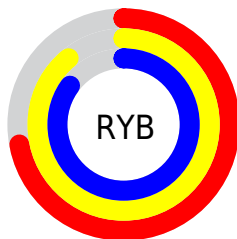
The Yxy color **70.2432, 0.3171, 0.3821** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **54.3779, 0.3070, 0.2789**, and the grayscale version is **66.2315, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0760, 0.3189, 0.3446**, and **36.6057, 0.3176, 0.3950** is the 20% darker color. If you saturate the color by 10%, you get **67.1809, 0.3189, 0.4131**, and if you desaturate by 10%, it is **73.7443, 0.3150, 0.3538**.

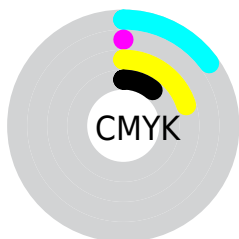
Distribution



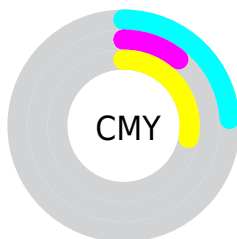
- Red (76%)
- Green (89%)
- Blue (72%)



- Red (72%)
- Yellow (89%)
- Blue (85%)



- Cyan (15%)
- Magenta (0%)
- Yellow (20%)
- Black (11%)



- Cyan (24%)
- Magenta (11%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.2432, 0.3171, 0.3821 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 70.2432, 0.3171, 0.3821 by changing the saturation by 10% instead.

■ 70.2432, 0.3171,
0.3821

■ 70.2432, 0.3171,
0.3821

461.4035, 0.3155,
0.3566

■ 51.7248, 0.3174,
0.3882

■ 119.5555, 0.3166,
0.3731

■ 36.7858, 0.3176,
0.3958

151.1182, 0.3164,
0.3696

■ 25.0417, 0.3178,
0.4056

187.7979, 0.3162,
0.3666

■ 16.1081, 0.3179,
0.4189

229.9788, 0.3160,
0.3641

■ 9.6007, 0.3177,
0.4375

278.0454, 0.3159,
0.3618

■ 5.1350, 0.3164,
0.4655

332.3822, 0.3157,

■ 2.3267, 0.3127,


0.3599


0.5131


393.3734, 0.3156,
0.3581


 0.7878, 0.2546,
0.7454


 0.0000, 0.0000,
0.0000


 70.2432, 0.3171,
0.3821


 70.2432, 0.3171,
0.3821


 67.1809, 0.3189,
0.4131


 73.7443, 0.3150,
0.3538


 64.5311, 0.3201,
0.4460

 77.6913, 0.3127,
0.3283

 62.2785, 0.3205,
0.4797

 82.1026, 0.3103,
0.3058

 60.4032, 0.3200,
0.5124

 83.9624, 0.3139,
0.3029

■ 58.8836, 0.3183,
0.5420

■ 57.6958, 0.3155,
0.5662

■ 56.8125, 0.3118,
0.5835

■ 56.1959, 0.3077,
0.5937

■ 56.1818, 0.3076,
0.5939

Harmonies

Analogous

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



70.2432, 0.3486, 0.3871



70.2432, 0.3171, 0.3821



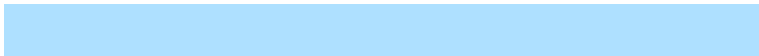
70.2432, 0.2855, 0.3603

Triad

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



70.2432, 0.3171, 0.3821



70.2432, 0.2567, 0.2812



70.2432, 0.3657, 0.3253

Complementary

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



70.2432, 0.3171, 0.3821



54.3779, 0.3070, 0.2789

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.



70.2432, 0.3388, 0.3003



70.2432, 0.3171, 0.3821



70.2432, 0.2759, 0.2753

Square

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



70.2432, 0.3171, 0.3821



70.2432, 0.2518, 0.3003



70.2432, 0.3056, 0.2824



70.2432, 0.3777, 0.3523

Rectangle

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



70.2432, 0.3171, 0.3821



70.2432, 0.2686, 0.3400



70.2432, 0.3056, 0.2824



70.2432, 0.3581, 0.3165

Sweetspot

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



70.2462, 0.3171, 0.3821



96.8679, 0.3141, 0.3440



69.7961, 0.3444, 0.3671



20.6635, 0.3143, 0.3458



0.0000, 0.0000, 0.0000



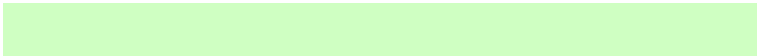
21.4041, 0.3127, 0.3290

Same Dimension

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



70.2462, 0.3171, 0.3821



88.7356, 0.3179, 0.3955



69.4934, 0.3028, 0.3683



16.2433, 0.3149, 0.3531



32.4872, 0.3084, 0.5933



2.4414, 0.3182, 0.5855

Inverse Universe

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



54.3779, 0.3070, 0.2789



64.4780, 0.3054, 0.2672



55.3273, 0.3244, 0.2926



14.4447, 0.3102, 0.3056



8.6979, 0.2652, 0.1234



0.6827, 0.2737, 0.1281

Previews

White Background



This preview shows how the Yxy color 70.2432, 0.3171, 0.3821 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 70.2432, 0.3171, 0.3821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

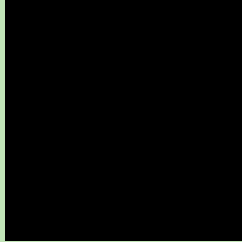
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

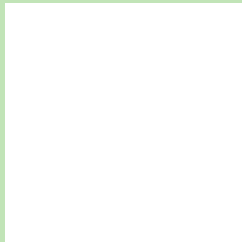
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.2432, 0.3171, 0.3821

Background



This preview shows how black text looks on a background with the Yxy color 70.2432, 0.3171, 0.3821.



This preview shows how white text looks on a background with the Yxy color 70.2432, 0.3171, 0.3821.

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

70.2432, 0.3171, 0.3821

Protanopia

69.8290, 0.3505, 0.3719

Deuteranopia

70.0050, 0.3604, 0.3532



Tritanopia

69.9160, 0.2890, 0.3090

Trichromacy



Original Color

70.2432, 0.3171, 0.3821



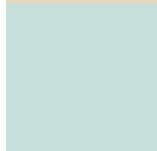
Protanomaly

69.7599, 0.3375, 0.3754



Deuteranomaly

69.8289, 0.3432, 0.3632



Tritanomaly

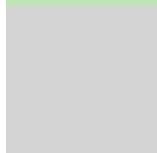
69.9794, 0.2993, 0.3346

Monochromacy



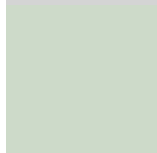
Original Color

70.2432, 0.3171, 0.3821



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

67.3390, 0.3147, 0.3486

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.2432, 0.3171, 0.3821 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, 228, 183)` looks like.

```
.text, #text, p{  
    color:rgb(193, 228, 183)  
}
```

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, 228, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 228, 183) }
```

Border

The CSS property to change the border of an element to Yxy 70.2432, 0.3171, 0.3821 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, 228, 183) }
```

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

```
.border{ border-color:rgb(193, 228, 183) }
```

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

Here you see how a box with a 4 pixel rgb(193, 228, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 228, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 228, 183);  
box-shadow:4px 4px 4px 4px rgb(193, 228,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 70.2432, 0.3171, 0.3821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 228, 183) }
```

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

```
.background{ background-color: rgb(193,  
228, 183) }
```

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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