

Converting Colors

$Yxy(71.1008, 0.2970, 0.3727)$

Have a look what the booklet for
Yxy(71.1008, 0.2970, 0.3727)
contains.

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Color

Yxy(70.8127, 0.2970, 0.3723)

Conversions

Conversions Part 1

Format	Color
Hex	AFE8C4
RGB	175, 232, 196
RGB Percent	69%, 91%, 77%
CMY	0.3139, 0.0901, 0.2315
CMYK	0.25, 0.00, 0.16, 0.09
HSL	142°, 55%, 80%
HSV	142°, 25%, 91%
XYZ	56.4904, 70.8127, 62.9002
YIQ	210.8530, -22.4160, -23.2800

Conversions

Conversions Part 2

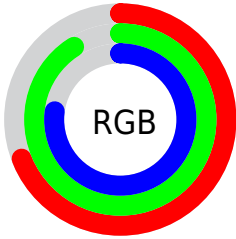
Format	Color
RYB	175, 217, 232
Decimal	11528388
CIELab	87.39, -25.28, 11.70
CIElCh	87, 27.852, 155.169
Yxy	70.8127, 0.2970, 0.3723
Android (android.graphics.Color)	4289718468 (0xFFAFE8C4)
YUV	210.8530, -7.3225, -31.4431
Hunter-Lab	84.1503, -27.4353, 14.5874

Details

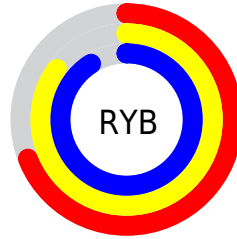
The Yxy color **70.8127, 0.2970, 0.3723** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **52.5059, 0.3327, 0.2894**, and the grayscale version is **65.0951, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6008, 0.2993, 0.3309**, and **37.0686, 0.2928, 0.3837** is the 20% darker color. If you saturate the color by 10%, you get **67.7234, 0.2912, 0.3933**, and if you desaturate by 10%, it is **74.4343, 0.3033, 0.3532**.

Distribution



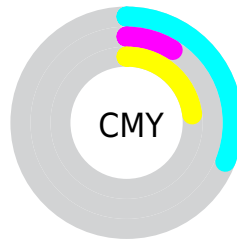
- Red (69%)
- Green (91%)
- Blue (77%)



- Red (69%)
- Yellow (85%)
- Blue (91%)



- Cyan (25%)
- Magenta (0%)
- Yellow (16%)
- Black (9%)





- Cyan (31%)
- Magenta (9%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.8127, 0.2970, 0.3723 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 70.8127, 0.2970, 0.3723 by changing the saturation by 10% instead.


 70.8127, 0.2970,
0.3723

 70.8127, 0.2970,
0.3723


463.3984, 0.3046,
0.3515

 52.1894, 0.2952,
0.3772


 120.3670, 0.2997,
0.3649

 37.1560, 0.2929,
0.3835

152.0667, 0.3008,
0.3621

 25.3283, 0.2898,
0.3915


188.8941, 0.3016,
0.3597

 16.3218, 0.2858,
0.4023

231.2334, 0.3024,
0.3576

 9.7522, 0.2800,
0.4176

279.4691, 0.3031,
0.3558

 5.2350, 0.2710,
0.4408


333.9856, 0.3036,

 2.3858, 0.2556,


0.3542


0.4800

395.1672, 0.3042,
0.3528

 0.8186, 0.1528,
0.7773


 0.0000, 0.0000,
0.0000


 70.8127, 0.2970,
0.3723


 70.8127, 0.2970,
0.3723


 67.7234, 0.2912,
0.3933


 74.4343, 0.3033,
0.3532


 65.1321, 0.2861,
0.4161

 78.6030, 0.3097,
0.3362

 63.0140, 0.2822,
0.4402

 83.3440, 0.3162,
0.3211

 61.3390, 0.2797,
0.4649

 86.1760, 0.3140,
0.3072

■ 60.0728, 0.2788,
0.4895

■ 86.2018, 0.3138,
0.3068

■ 59.1761, 0.2798,
0.5129

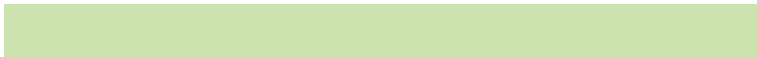
■ 58.6013, 0.2826,
0.5340

■ 58.3851, 0.2845,
0.5444

Harmonies

Analogous

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



70.8127, 0.3308, 0.3885



70.8127, 0.2970, 0.3723



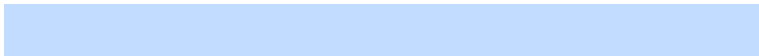
70.8127, 0.2685, 0.3426

Triad

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



70.8127, 0.2970, 0.3723



70.8127, 0.2650, 0.2742



70.8127, 0.3774, 0.3420

Complementary

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



70.8127, 0.2970, 0.3723



52.5059, 0.3327, 0.2894

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.



70.8127, 0.3579, 0.3142



70.8127, 0.2970, 0.3723



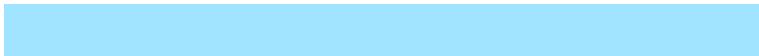
70.8127, 0.2921, 0.2764

Square

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



70.8127, 0.2970, 0.3723



70.8127, 0.2509, 0.2858



70.8127, 0.3261, 0.2908



70.8127, 0.3783, 0.3683

Rectangle

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



70.8127, 0.2970, 0.3723



70.8127, 0.2559, 0.3206



70.8127, 0.3261, 0.2908



70.8127, 0.3728, 0.3326

Sweetspot

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



70.8157, 0.2970, 0.3723



96.0653, 0.3081, 0.3402



74.6784, 0.3345, 0.3935



20.4928, 0.3077, 0.3412



0.0000, 0.0000, 0.0000



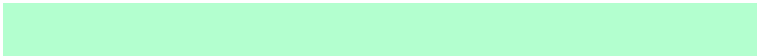
21.4041, 0.3127, 0.3290

Same Dimension

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



70.8157, 0.2970, 0.3723



85.5335, 0.2937, 0.3838



72.2352, 0.2807, 0.3378



16.1765, 0.3066, 0.3442



32.4305, 0.2837, 0.5414



2.4139, 0.2755, 0.5117

Inverse Universe

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



52.5059, 0.3327, 0.2894



58.8363, 0.3384, 0.2801



51.2038, 0.3575, 0.3205



14.5204, 0.3194, 0.3143



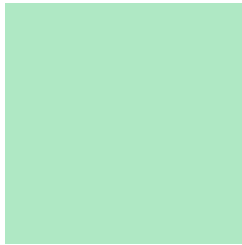
10.7109, 0.4408, 0.2202



0.8093, 0.4187, 0.2080

Previews

White Background



This preview shows how the Yxy color 70.8127, 0.2970, 0.3723 looks on a white background.

Color Contrast Check

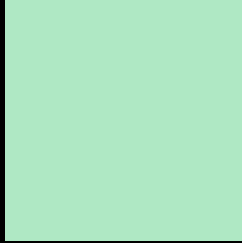
Large Text (above 18pt) WCAG AA × Fail

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 70.8127, 0.2970, 0.3723 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

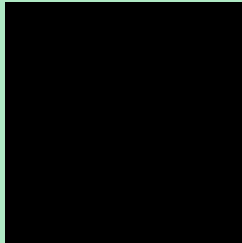
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

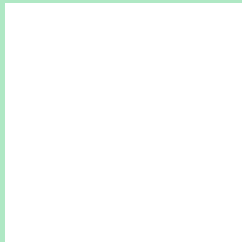
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.8127, 0.2970, 0.3723

Background



This preview shows how black text looks on a background with the Yxy color 70.8127, 0.2970, 0.3723.

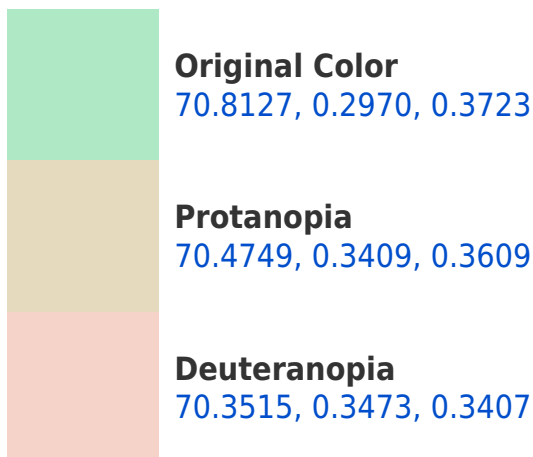


This preview shows how white text looks on a background with the Yxy color 70.8127, 0.2970, 0.3723.

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

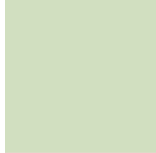
70.5118, 0.2752, 0.3086

Trichromacy



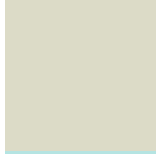
Original Color

70.8127, 0.2970, 0.3723



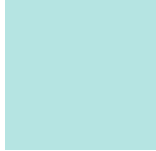
Protanomaly

70.1364, 0.3232, 0.3644



Deuteranomaly

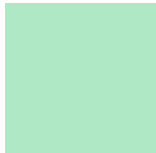
70.0022, 0.3270, 0.3513



Tritanomaly

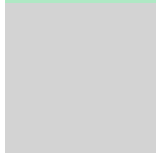
70.8015, 0.2832, 0.3312

Monochromacy



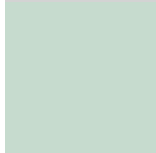
Original Color

70.8127, 0.2970, 0.3723



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

67.1250, 0.3063, 0.3441

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.8127, 0.2970, 0.3723 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(175, 232, 196)` looks like.

```
.text, #text, p{  
    color:rgb(175, 232, 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(175, 232, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 232, 196) }
```

Border

The CSS property to change the border of an element to Yxy 70.8127, 0.2970, 0.3723 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(175, 232, 196) }
```

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

```
.border{ border-color:rgb(175, 232, 196) }
```

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

Here you see how a box with a 4 pixel rgb(175, 232, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 232, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 232, 196);  
box-shadow:4px 4px 4px 4px rgb(175, 232,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 70.8127, 0.2970, 0.3723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 232, 196) }
```

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

```
.background{ background-color: rgb(175,  
232, 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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