

Converting Colors

$Yxy(70.1303, 0.2992, 0.3815)$

Have a look what the booklet for
Yxy(70.1303, 0.2992, 0.3815)
contains.

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Color

Yxy(70.1580, 0.2992, 0.3813)

Conversions

Conversions Part 1

Format	Color
Hex	ACE8BD
RGB	172, 232, 189
RGB Percent	67%, 91%, 74%
CMY	0.3256, 0.0902, 0.2588
CMYK	0.26, 0.00, 0.19, 0.09
HSL	137°, 57%, 79%
HSV	137°, 26%, 91%
XYZ	55.0519, 70.1580, 58.7870
YIQ	209.1580, -21.9570, -26.0930

Conversions

Conversions Part 2

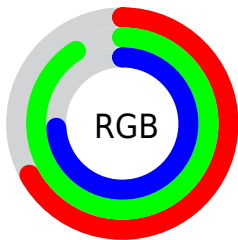
Format	Color
RYB	172, 219, 232
Decimal	11331773
CIELab	87.07, -27.50, 14.86
CIElCh	87, 31.256, 151.616
Yxy	70.1580, 0.2992, 0.3813
Android (android.graphics.Color)	4289521853 (0xFFACE8BD)
YUV	209.1580, -9.9379, -32.5876
Hunter-Lab	83.7604, -29.2608, 17.0197

Details

The Yxy color **70.1580, 0.2992, 0.3813** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **51.5596, 0.3296, 0.2819**, and the grayscale version is **63.9449, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.6066, 0.3019, 0.3390**, and **36.6798, 0.2949, 0.3942** is the 20% darker color. If you saturate the color by 10%, you get **67.0804, 0.2944, 0.4056**, and if you desaturate by 10%, it is **73.7824, 0.3043, 0.3592**.

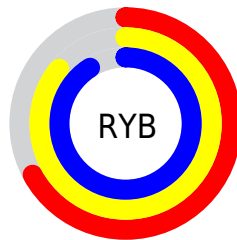
Distribution



Red (67%)

Green (91%)

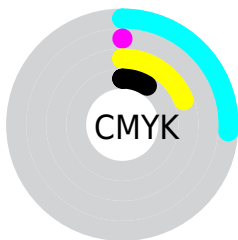
Blue (74%)



Red (67%)

Yellow (86%)

Blue (91%)

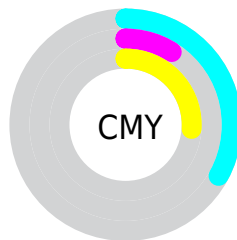


Cyan (26%)

Magenta (0%)

Yellow (19%)

Black (9%)



Cyan (33%)


Magenta (9%)


Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.1580, 0.2992, 0.3813 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 70.1580, 0.2992, 0.3813 by changing the saturation by 10% instead.

 70.1580, 0.2992,
0.3813

 70.1580, 0.2992,
0.3813


461.1046, 0.3059,
0.3560

 51.6554, 0.2975,
0.3874

 119.4340, 0.3016,
0.3723

 36.7304, 0.2954,
0.3950


150.9762, 0.3026,
0.3689

 24.9988, 0.2926,
0.4049


187.6337, 0.3033,
0.3660

 16.0762, 0.2887,
0.4182

229.7909, 0.3040,
0.3634

 9.5781, 0.2830,
0.4372

277.8322, 0.3046,
0.3612

 5.1201, 0.2740,
0.4662


332.1420, 0.3051,

 2.3179, 0.2576,


0.3593


393.1046, 0.3055,
0.3576


0.5155


 0.7832, 0.0854,
0.9146


 0.0000, 0.0000,
0.0000


 70.1580, 0.2992,
0.3813


 70.1580, 0.2992,
0.3813


 67.0804, 0.2944,
0.4056

 73.7824, 0.3043,
0.3592


 64.5142, 0.2904,
0.4318

 77.9696, 0.3096,
0.3395

 62.4335, 0.2872,
0.4592

 82.7456, 0.3149,
0.3221

 60.8063, 0.2854,
0.4869

 86.1983, 0.3138,
0.3068

■ 59.5970, 0.2851,
0.5135

■ 58.7640, 0.2864,
0.5378

■ 58.2567, 0.2892,
0.5584

■ 58.1094, 0.2905,
0.5657

Harmonies

Analogous

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



70.1580, 0.3372, 0.3971



70.1580, 0.2992, 0.3813



70.1580, 0.2662, 0.3486

Triad

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



70.1580, 0.2992, 0.3813



70.1580, 0.2566, 0.2684



70.1580, 0.3841, 0.3394

Complementary

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



70.1580, 0.2992, 0.3813



51.5596, 0.3296, 0.2819

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.



70.1580, 0.3599, 0.3088



70.1580, 0.2992, 0.3813



70.1580, 0.2852, 0.2692

Square

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



70.1580, 0.2992, 0.3813



70.1580, 0.2428, 0.2829



70.1580, 0.3230, 0.2838



70.1580, 0.3876, 0.3695

Rectangle

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



70.1580, 0.2992, 0.3813



70.1580, 0.2511, 0.3236



70.1580, 0.3230, 0.2838



70.1580, 0.3781, 0.3289

Sweetspot

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



70.1609, 0.2992, 0.3813



95.4284, 0.3085, 0.3436



75.1432, 0.3393, 0.3963



20.2529, 0.3077, 0.3465



0.0000, 0.0000, 0.0000



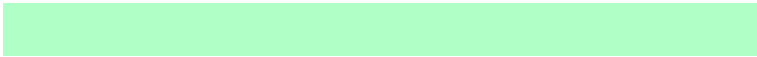
21.4041, 0.3127, 0.3290

Same Dimension

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



70.1609, 0.2992, 0.3813



84.8387, 0.2966, 0.3939



71.6011, 0.2820, 0.3442



16.1560, 0.3077, 0.3463



32.2759, 0.2897, 0.5630



2.4006, 0.2817, 0.5340

Inverse Universe

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



51.5596, 0.3296, 0.2819



58.1501, 0.3340, 0.2720



50.1564, 0.3560, 0.3144



14.5418, 0.3181, 0.3123



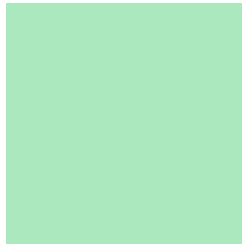
11.0793, 0.4082, 0.2023



0.8345, 0.3925, 0.1936

Previews

White Background



This preview shows how the Yxy color 70.1580, 0.2992, 0.3813 looks on a white background.

Color Contrast Check

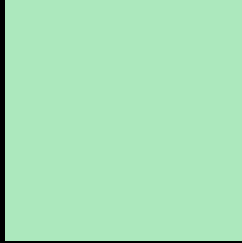
Large Text (above 18pt) WCAG AA × Fail

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 70.1580, 0.2992, 0.3813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

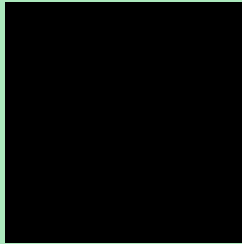
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

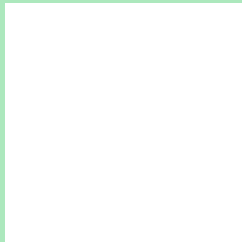
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.1580, 0.2992, 0.3813

Background



This preview shows how black text looks on a background with the Yxy color 70.1580, 0.2992, 0.3813.

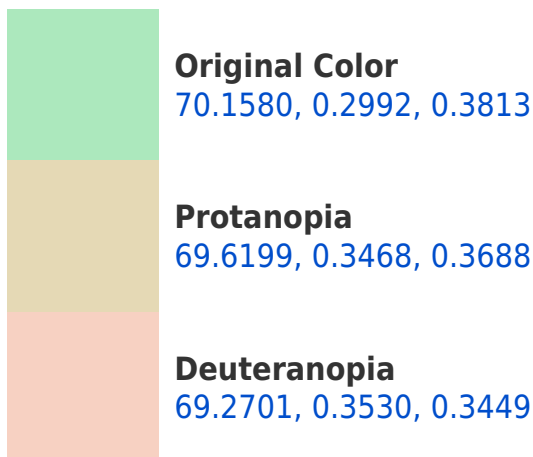


This preview shows how white text looks on a background with the Yxy color 70.1580, 0.2992, 0.3813.

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

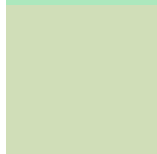
70.2666, 0.2740, 0.3086

Trichromacy



Original Color

70.1580, 0.2992, 0.3813



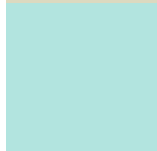
Protanomaly

69.1131, 0.3279, 0.3728



Deuteranomaly

68.6471, 0.3321, 0.3571



Tritanomaly

70.2795, 0.2830, 0.3347

Monochromacy



Original Color

70.1580, 0.2992, 0.3813



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

65.6257, 0.3076, 0.3466

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.1580, 0.2992, 0.3813 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(172, 232, 189)` looks like.

```
.text, #text, p{  
    color:rgb(172, 232, 189)  
}
```

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(172, 232, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 232, 189) }
```

Border

The CSS property to change the border of an element to Yxy 70.1580, 0.2992, 0.3813 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(172, 232, 189) }
```

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

```
.border{ border-color:rgb(172, 232, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 232, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 232, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 232, 189);  
box-shadow:4px 4px 4px 4px rgb(172, 232,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 70.1580, 0.2992, 0.3813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 232, 189) }
```

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

```
.background{ background-color: rgb(172,  
232, 189) }
```

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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