

Converting Colors

$Yxy(70.3156, 0.3006, 0.3829)$

Have a look what the booklet for
Yxy(70.3156, 0.3006, 0.3829)
contains.

Yxy(70.2283, 0.3004, 0.3825)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.2283, 0.3004, 0.3825)

Conversions

Conversions Part 1

Format	Color
Hex	ADE8BC
RGB	173, 232, 188
RGB Percent	68%, 91%, 74%
CMY	0.3219, 0.0901, 0.2628
CMYK	0.25, 0.00, 0.19, 0.09
HSL	135°, 56%, 79%
HSV	135°, 25%, 91%
XYZ	55.1545, 70.2283, 58.2206
YIQ	209.3430, -21.0400, -26.1920

Conversions

Conversions Part 2

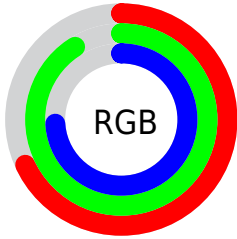
Format	Color
RYB	173, 220, 232
Decimal	11397308
CIELab	87.11, -27.39, 15.44
CIELCh	87, 31.442, 150.584
Yxy	70.2283, 0.3004, 0.3825
Android (android.graphics.Color)	4289587388 (0xFFADE8BC)
YUV	209.3430, -10.5221, -31.8728
Hunter-Lab	83.8023, -29.1744, 17.4706

Details

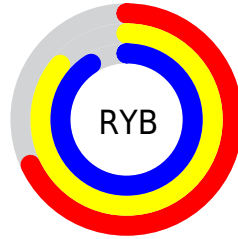
The Yxy color **70.2283, 0.3004, 0.3825** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **52.0261, 0.3279, 0.2809**, and the grayscale version is **64.0686, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7097, 0.3030, 0.3400**, and **36.7219, 0.2964, 0.3958** is the 20% darker color. If you saturate the color by 10%, you get **67.1118, 0.2960, 0.4077**, and if you desaturate by 10%, it is **73.8992, 0.3052, 0.3596**.

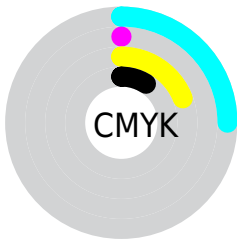
Distribution



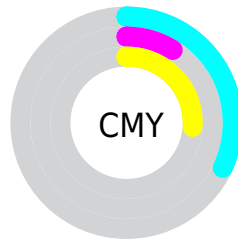
- Red (68%)
- Green (91%)
- Blue (74%)



- Red (68%)
- Yellow (86%)
- Blue (91%)



- Cyan (25%)
- Magenta (0%)
- Yellow (19%)
- Black (9%)




- Cyan (32%)
- Magenta (9%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.2283, 0.3004, 0.3825 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 70.2283, 0.3004, 0.3825 by changing the saturation by 10% instead.


 70.2283, 0.3004,
0.3825

 70.2283, 0.3004,
0.3825

461.3512, 0.3066,
0.3566

 51.7127, 0.2988,
0.3887


 119.5343, 0.3027,
0.3733

 36.7761, 0.2969,
0.3965


151.0934, 0.3035,
0.3698

 25.0342, 0.2942,
0.4066


187.7692, 0.3042,
0.3668

 16.1025, 0.2906,
0.4203

229.9460, 0.3048,
0.3642

 9.5967, 0.2852,
0.4397

278.0082, 0.3054,
0.3620

 5.1324, 0.2765,
0.4694

332.3402, 0.3058,

 2.3252, 0.2606,

0.3600

0.5197

393.3264, 0.3062,
0.3582

0.7870, 0.0917,
0.9083

0.0000, 0.0000,
0.0000

70.2283, 0.3004,
0.3825

70.2283, 0.3004,
0.3825

67.1118, 0.2960,
0.4077

73.8992, 0.3052,
0.3596

64.5140, 0.2921,
0.4349

78.1406, 0.3101,
0.3392

62.4087, 0.2892,
0.4633

82.9791, 0.3149,
0.3211

60.7636, 0.2874,
0.4919

86.2047, 0.3138,
0.3068

■ 59.5427, 0.2871,
0.5192

■ 58.7043, 0.2883,
0.5437

■ 58.1976, 0.2909,
0.5641

■ 58.0420, 0.2922,
0.5719

Harmonies

Analogous

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



70.2283, 0.3386, 0.3976



70.2283, 0.3004, 0.3825



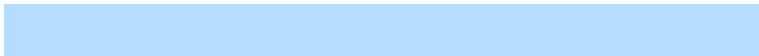
70.2283, 0.2669, 0.3500

Triad

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



70.2283, 0.3004, 0.3825



70.2283, 0.2556, 0.2683



70.2283, 0.3840, 0.3384

Complementary

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



70.2283, 0.3004, 0.3825



52.0261, 0.3279, 0.2809

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.



70.2283, 0.3590, 0.3077



70.2283, 0.3004, 0.3825



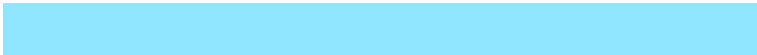
70.2283, 0.2839, 0.2686

Square

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



70.2283, 0.3004, 0.3825



70.2283, 0.2423, 0.2834



70.2283, 0.3217, 0.2829



70.2283, 0.3883, 0.3687

Rectangle

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



70.2283, 0.3004, 0.3825



70.2283, 0.2514, 0.3248



70.2283, 0.3217, 0.2829



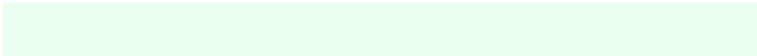
70.2283, 0.3777, 0.3278

Sweetspot

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



70.2312, 0.3004, 0.3825



95.3936, 0.3088, 0.3442



75.5286, 0.3403, 0.3949



20.2442, 0.3081, 0.3472



0.0000, 0.0000, 0.0000



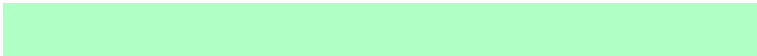
21.4041, 0.3127, 0.3290

Same Dimension

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



70.2312, 0.3004, 0.3825



84.7345, 0.2978, 0.3966



71.6233, 0.2835, 0.3463



16.1492, 0.3081, 0.3470



32.2335, 0.2915, 0.5693



2.3967, 0.2836, 0.5410

Inverse Universe

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



52.0261, 0.3279, 0.2809



58.2803, 0.3321, 0.2699



50.6366, 0.3533, 0.3125



14.5492, 0.3177, 0.3117



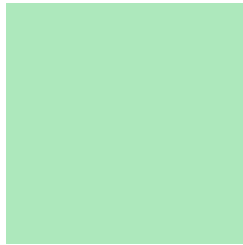
11.2174, 0.3978, 0.1965



0.8437, 0.3841, 0.1890

Previews

White Background



This preview shows how the Yxy color 70.2283, 0.3004, 0.3825 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 70.2283, 0.3004, 0.3825 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

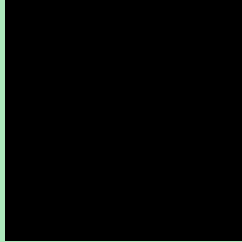
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

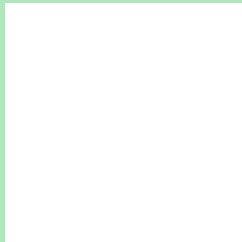
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.2283, 0.3004, 0.3825

Background



This preview shows how black text looks on a background with the Yxy color 70.2283, 0.3004, 0.3825.

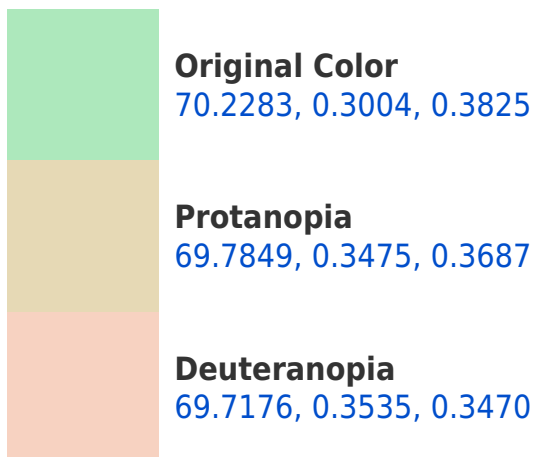


This preview shows how white text looks on a background with the Yxy color 70.2283, 0.3004, 0.3825.

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

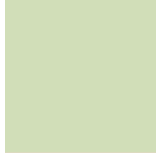
70.3285, 0.2751, 0.3097

Trichromacy



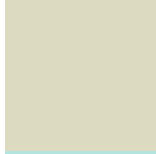
Original Color

70.2283, 0.3004, 0.3825



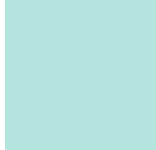
Protanomaly

69.2586, 0.3286, 0.3727



Deuteranomaly

69.1200, 0.3326, 0.3593



Tritanomaly

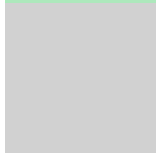
70.3444, 0.2842, 0.3359

Monochromacy



Original Color

70.2283, 0.3004, 0.3825



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

65.5785, 0.3082, 0.3478

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.2283, 0.3004, 0.3825 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(173, 232, 188)` looks like.

```
.text, #text, p{  
    color:rgb(173, 232, 188)  
}
```

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(173, 232, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 232, 188) }
```

Border

The CSS property to change the border of an element to Yxy 70.2283, 0.3004, 0.3825 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(173, 232, 188) }
```

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

```
.border{ border-color:rgb(173, 232, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 232, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 232, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 232, 188);  
box-shadow:4px 4px 4px 4px rgb(173, 232,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 70.2283, 0.3004, 0.3825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 232, 188) }
```

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

```
.background{ background-color: rgb(173,  
232, 188) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor