

Converting Colors

$Yxy(70.3273, 0.2921, 0.3654)$

Have a look what the booklet for
Yxy(70.3273, 0.2921, 0.3654)
contains.

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Color

Yxy(70.1395, 0.2922, 0.3651)

Conversions

Conversions Part 1

Format	Color
Hex	ACE7C9
RGB	172, 231, 201
RGB Percent	67%, 91%, 79%
CMY	0.3254, 0.0941, 0.2118
CMYK	0.26, 0.00, 0.13, 0.09
HSL	149°, 55%, 79%
HSV	149°, 26%, 91%
XYZ	56.1347, 70.1395, 65.8362
YIQ	209.9390, -25.5340, -21.8380

Conversions

Conversions Part 2

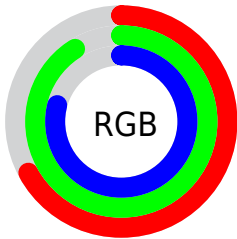
Format	Color
RYB	172, 212, 231
Decimal	11331529
CIELab	87.07, -24.74, 8.58
CIELCh	87, 26.189, 160.882
Yxy	70.1395, 0.2922, 0.3651
Android (android.graphics.Color)	4289521609 (0xFFACE7C9)
YUV	209.9390, -4.4069, -33.2725
Hunter-Lab	83.7493, -26.9181, 12.0160

Details

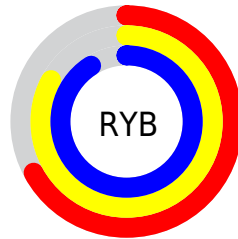
The Yxy color **70.1395, 0.2922, 0.3651** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **50.7676, 0.3399, 0.2956**, and the grayscale version is **64.4527, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **36.6181, 0.2868, 0.3741** is the 20% darker color. If you saturate the color by 10%, you get **67.2194, 0.2850, 0.3819**, and if you desaturate by 10%, it is **73.5620, 0.3000, 0.3498**.

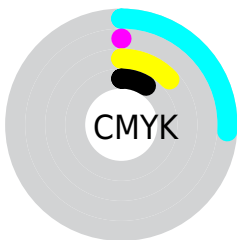
Distribution



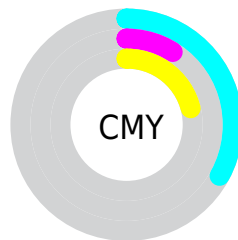
- Red (67%)
- Green (91%)
- Blue (79%)



- Red (67%)
- Yellow (83%)
- Blue (91%)



- Cyan (26%)
- Magenta (0%)
- Yellow (13%)
- Black (9%)





- Cyan (33%)
- Magenta (9%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.1395, 0.2922, 0.3651 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 70.1395, 0.2922, 0.3651 by changing the saturation by 10% instead.


 70.1395, 0.2922,
0.3651

 70.1395, 0.2922,
0.3651


461.0397, 0.3020,
0.3478

 51.6403, 0.2899,
0.3692


 119.4077, 0.2956,
0.3590

 36.7184, 0.2870,
0.3743


150.9454, 0.2970,
0.3566

 24.9896, 0.2833,
0.3810


187.5981, 0.2981,
0.3546

 16.0693, 0.2783,
0.3899

229.7501, 0.2991,
0.3529

 9.5732, 0.2713,
0.4025

277.7859, 0.2999,
0.3514

 5.1169, 0.2609,
0.4216

332.0898, 0.3007,

 2.3160, 0.2434,

0.3501

393.0463, 0.3014,
0.3489

0.4537

0.7822, 0.1188,
0.6665

0.0000, 0.0000,
0.0000

70.1395, 0.2922,
0.3651

70.1395, 0.2922,
0.3651

67.2194, 0.2850,
0.3819

73.5620, 0.3000,
0.3498

64.7686, 0.2788,
0.4001

77.5009, 0.3081,
0.3360

62.7633, 0.2739,
0.4193

81.9805, 0.3164,
0.3237

61.1743, 0.2706,
0.4393

85.1898, 0.3182,
0.3125

■ 59.9686, 0.2692,
0.4595

■ 85.6324, 0.3138,
0.3058

■ 59.1077, 0.2698,
0.4792

■ 58.5447, 0.2724,
0.4980

■ 58.3558, 0.2739,
0.5061

Harmonies

Analogous

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



70.1395, 0.3238, 0.3834



70.1395, 0.2922, 0.3651



70.1395, 0.2670, 0.3359

Triad

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



70.1395, 0.2922, 0.3651



70.1395, 0.2717, 0.2766



70.1395, 0.3753, 0.3464

Complementary

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



70.1395, 0.2922, 0.3651



50.7676, 0.3399, 0.2956

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.



70.1395, 0.3600, 0.3199



70.1395, 0.2922, 0.3651



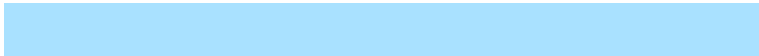
70.1395, 0.2991, 0.2809

Square

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



70.1395, 0.2922, 0.3651



70.1395, 0.2557, 0.2852



70.1395, 0.3316, 0.2965



70.1395, 0.3727, 0.3702

Rectangle

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



70.1395, 0.2922, 0.3651



70.1395, 0.2567, 0.3156



70.1395, 0.3316, 0.2965



70.1395, 0.3721, 0.3376

Sweetspot

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



70.1424, 0.2922, 0.3651



95.6837, 0.3061, 0.3393



72.7573, 0.3304, 0.3972



20.3170, 0.3048, 0.3413



0.0000, 0.0000, 0.0000



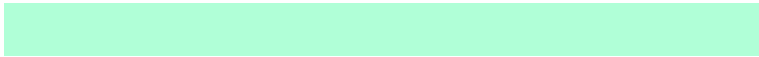
21.4041, 0.3127, 0.3290

Same Dimension

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



70.1424, 0.2922, 0.3651



85.6397, 0.2881, 0.3744



71.6396, 0.2759, 0.3300



16.2066, 0.3049, 0.3412



32.7397, 0.2731, 0.5032



2.4381, 0.2656, 0.4762

Inverse Universe

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



50.7676, 0.3399, 0.2956



57.2573, 0.3478, 0.2879



49.5195, 0.3660, 0.3280



14.4898, 0.3213, 0.3171



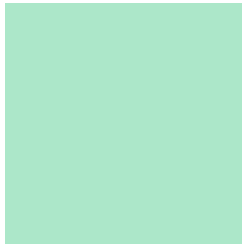
10.2761, 0.4917, 0.2483



0.7781, 0.4600, 0.2308

Previews

White Background



This preview shows how the Yxy color 70.1395, 0.2922, 0.3651 looks on a white background.

Color Contrast Check

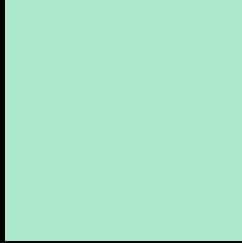
Large Text (above 18pt) WCAG AA × Fail

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 70.1395, 0.2922, 0.3651 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

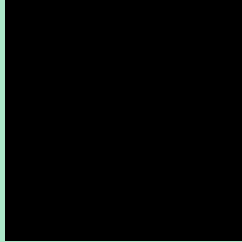
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

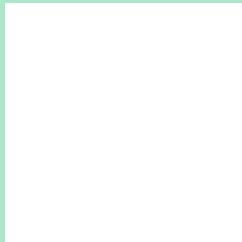
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.1395, 0.2922, 0.3651

Background



This preview shows how black text looks on a background with the Yxy color 70.1395, 0.2922, 0.3651.

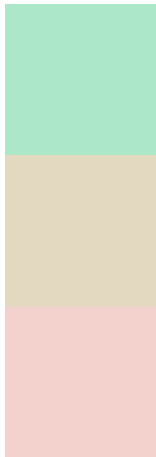


This preview shows how white text looks on a background with the Yxy color 70.1395, 0.2922, 0.3651.

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

70.1395, 0.2922, 0.3651

Protanopia

69.8069, 0.3367, 0.3555

Deuteranopia

69.5557, 0.3414, 0.3344



Tritanopia

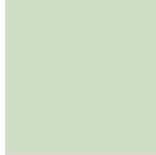
70.0248, 0.2728, 0.3085

Trichromacy



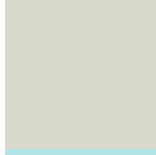
Original Color

70.1395, 0.2922, 0.3651



Protanomaly

69.4935, 0.3192, 0.3588



Deuteranomaly

69.2542, 0.3214, 0.3447



Tritanomaly

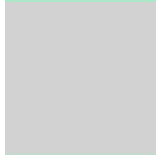
69.8867, 0.2795, 0.3277

Monochromacy



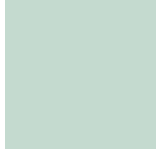
Original Color

70.1395, 0.2922, 0.3651



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

66.3836, 0.3043, 0.3418

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.1395, 0.2922, 0.3651 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, 231, 201)` looks like.

```
.text, #text, p{  
    color:rgb(172, 231, 201)  
}
```

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, 231, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 231, 201) }
```

Border

The CSS property to change the border of an element to Yxy 70.1395, 0.2922, 0.3651 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, 231, 201) }
```

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

```
.border{ border-color:rgb(172, 231, 201) }
```

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

Here you see how a box with a 4 pixel rgb(172, 231, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 231, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 231, 201);  
box-shadow:4px 4px 4px 4px rgb(172, 231,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 70.1395, 0.2922, 0.3651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 231, 201) }
```

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

```
.background{ background-color: rgb(172,  
231, 201) }
```

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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