

Converting Colors

$Yxy(71.7746, 0.2911, 0.3673)$

Have a look what the booklet for
Yxy(71.7746, 0.2911, 0.3673)
contains.

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Color

Yxy(71.7678, 0.2911, 0.3673)

Conversions

Conversions Part 1

Format	Color
Hex	ABEACA
RGB	171, 234, 202
RGB Percent	67%, 92%, 79%
CMY	0.3294, 0.0823, 0.2077
CMYK	0.27, 0.00, 0.14, 0.08
HSL	150°, 60%, 79%
HSV	150°, 27%, 92%
XYZ	56.8789, 71.7678, 66.7462
YIQ	211.5150, -27.2760, -23.3080

Conversions

Conversions Part 2

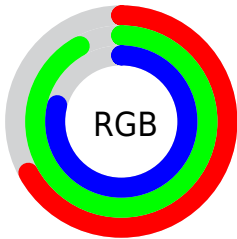
Format	Color
RYB	171, 213, 234
Decimal	11266762
CIELab	87.86, -26.31, 9.17
CIELCh	88, 27.861, 160.792
Yxy	71.7678, 0.2911, 0.3673
Android (android.graphics.Color)	4289456842 (0xFFABEACA)
YUV	211.5150, -4.6909, -35.5317
Hunter-Lab	84.7159, -28.4066, 12.5875

Details

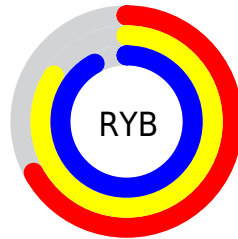
The Yxy color **71.7678, 0.2911, 0.3673** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **50.9270, 0.3418, 0.2937**, and the grayscale version is **65.5466, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0709, 0.2958, 0.3290**, and **37.7608, 0.2856, 0.3770** is the 20% darker color. If you saturate the color by 10%, you get **68.8304, 0.2840, 0.3843**, and if you desaturate by 10%, it is **75.2196, 0.2988, 0.3518**.

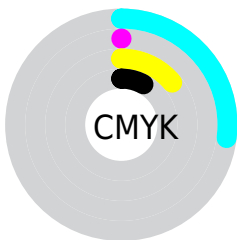
Distribution



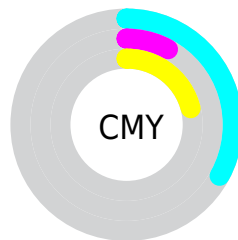
- Red (67%)
- Green (92%)
- Blue (79%)



- Red (67%)
- Yellow (84%)
- Blue (92%)



- Cyan (27%)
- Magenta (0%)
- Yellow (14%)
- Black (8%)




- Cyan (33%)
- Magenta (8%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.7678, 0.2911, 0.3673 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 71.7678, 0.2911, 0.3673 by changing the saturation by 10% instead.


 71.7678, 0.2911,
0.3673

 71.7678, 0.2911,
0.3673


466.7330, 0.3014,
0.3490

 52.9690, 0.2887,
0.3716


 121.7263, 0.2947,
0.3608

 37.7780, 0.2857,
0.3770


153.6549, 0.2961,
0.3584

 25.8105, 0.2818,
0.3840


190.7288, 0.2973,
0.3562

 16.6819, 0.2766,
0.3934

233.3325, 0.2983,
0.3544

 10.0080, 0.2694,
0.4066

281.8504, 0.2992,
0.3528

 5.4042, 0.2585,
0.4264

336.6668, 0.3000,

 2.4863, 0.2406,

0.3514

398.1662, 0.3007,
0.3501

0.4596

0.8698, 0.1356,
0.6394

0.0000, 0.0000,
0.0000

71.7678, 0.2911,
0.3673

71.7678, 0.2911,
0.3673

68.8304, 0.2840,
0.3843

75.2196, 0.2988,
0.3518

66.3729, 0.2780,
0.4026

79.2006, 0.3070,
0.3378

64.3706, 0.2733,
0.4220

83.7359, 0.3153,
0.3253

62.7927, 0.2702,
0.4419

86.9808, 0.3171,
0.3140

■ 61.6046, 0.2691,
0.4621

■ 87.3281, 0.3137,
0.3088

■ 60.7655, 0.2700,
0.4817

■ 60.2238, 0.2728,
0.5003

■ 60.0915, 0.2738,
0.5058

Harmonies

Analogous

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



71.7678, 0.3244, 0.3866



71.7678, 0.2911, 0.3673



71.7678, 0.2645, 0.3363

Triad

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



71.7678, 0.2911, 0.3673



71.7678, 0.2694, 0.2738



71.7678, 0.3788, 0.3471

Complementary

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



71.7678, 0.2911, 0.3673



50.9270, 0.3418, 0.2937

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.



71.7678, 0.3626, 0.3193



71.7678, 0.2911, 0.3673



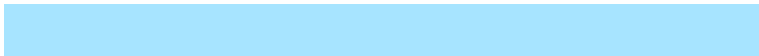
71.7678, 0.2982, 0.2784

Square

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



71.7678, 0.2911, 0.3673



71.7678, 0.2526, 0.2828



71.7678, 0.3325, 0.2947



71.7678, 0.3760, 0.3723

Rectangle

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



71.7678, 0.2911, 0.3673



71.7678, 0.2538, 0.3148



71.7678, 0.3325, 0.2947



71.7678, 0.3754, 0.3378

Sweetspot

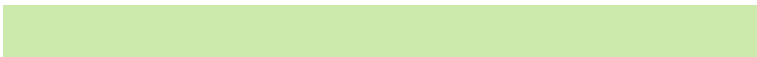
The Sweet Spot groups the original color and five complimentary colors.



71.7708, 0.2911, 0.3673



95.6852, 0.3061, 0.3393



74.5619, 0.3313, 0.4013



20.3173, 0.3048, 0.3413



0.0000, 0.0000, 0.0000



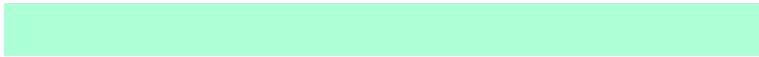
21.4041, 0.3127, 0.3290

Same Dimension

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



71.7708, 0.2911, 0.3673



85.2838, 0.2873, 0.3760



73.3859, 0.2740, 0.3301



16.9858, 0.3049, 0.3412



33.7921, 0.2731, 0.5030



2.6729, 0.2660, 0.4774

Inverse Universe

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



50.9270, 0.3418, 0.2937



56.1975, 0.3493, 0.2866



49.5967, 0.3700, 0.3280



15.1816, 0.3213, 0.3171



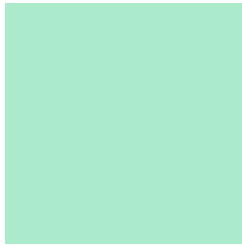
10.6005, 0.4924, 0.2486



0.8518, 0.4622, 0.2320

Previews

White Background



This preview shows how the Yxy color 71.7678, 0.2911, 0.3673 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 71.7678, 0.2911, 0.3673 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

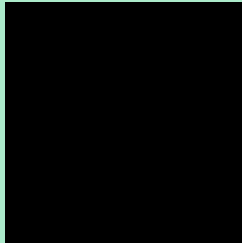
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

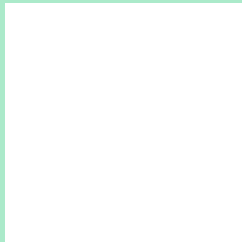
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.7678, 0.2911, 0.3673

Background



This preview shows how black text looks on a background with the Yxy color 71.7678, 0.2911, 0.3673.

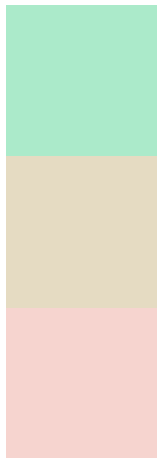


This preview shows how white text looks on a background with the Yxy color 71.7678, 0.2911, 0.3673.

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

71.7678, 0.2911, 0.3673

Protanopia

71.2161, 0.3372, 0.3564

Deuteranopia

71.1848, 0.3420, 0.3343



Tritanopia

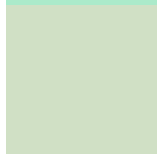
71.8439, 0.2715, 0.3086

Trichromacy



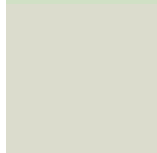
Original Color

71.7678, 0.2911, 0.3673



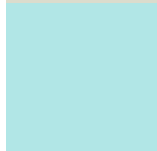
Protanomaly

70.7524, 0.3190, 0.3597



Deuteranomaly

70.6542, 0.3220, 0.3457



Tritanomaly

71.6539, 0.2787, 0.3289

Monochromacy



Original Color

71.7678, 0.2911, 0.3673



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

67.6108, 0.3043, 0.3429

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.7678, 0.2911, 0.3673 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(171, 234, 202)` looks like.

```
.text, #text, p{  
    color:rgb(171, 234, 202)  
}
```

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(171, 234, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 234, 202) }
```

Border

The CSS property to change the border of an element to Yxy 71.7678, 0.2911, 0.3673 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(171, 234, 202) }
```

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

```
.border{ border-color:rgb(171, 234, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 234, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 234, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 234, 202);  
box-shadow:4px 4px 4px 4px rgb(171, 234,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 71.7678, 0.2911, 0.3673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 234, 202) }
```

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

```
.background{ background-color: rgb(171,  
234, 202) }
```

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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