

Converting Colors

$Yxy(70.9560, 0.2957, 0.3673)$

Have a look what the booklet for
Yxy(70.9560, 0.2957, 0.3673)
contains.

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Color

Yxy(71.1135, 0.2953, 0.3672)

Conversions

Conversions Part 1

Format	Color
Hex	B0E8C8
RGB	176, 232, 200
RGB Percent	69%, 91%, 78%
CMY	0.3098, 0.0902, 0.2156
CMYK	0.24, 0.00, 0.14, 0.09
HSL	146°, 55%, 80%
HSV	146°, 24%, 91%
XYZ	57.1890, 71.1135, 65.3617
YIQ	211.6080, -23.1040, -21.8240

Conversions

Conversions Part 2

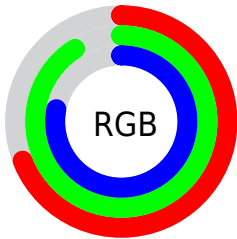
Format	Color
RYB	176, 215, 232
Decimal	11593928
CIELab	87.54, -24.18, 9.80
CIELCh	88, 26.093, 157.931
Yxy	71.1135, 0.2953, 0.3672
Android (android.graphics.Color)	4289784008 (0xFFB0E8C8)
YUV	211.6080, -5.7227, -31.2282
Hunter-Lab	84.3288, -26.5226, 13.0756

Details

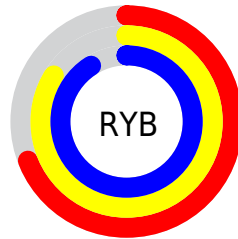
The Yxy color **71.1135, 0.2953, 0.3672** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **52.7656, 0.3351, 0.2937**, and the grayscale version is **65.6181, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8958, 0.2987, 0.3290**, and **37.2636, 0.2907, 0.3769** is the 20% darker color. If you saturate the color by 10%, you get **68.0457, 0.2888, 0.3860**, and if you desaturate by 10%, it is **74.7031, 0.3024, 0.3501**.

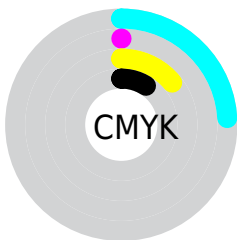
Distribution



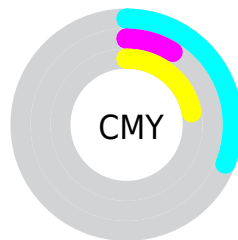
- Red (69%)
- Green (91%)
- Blue (78%)



- Red (69%)
- Yellow (84%)
- Blue (91%)



- Cyan (24%)
- Magenta (0%)
- Yellow (14%)
- Black (9%)





- Cyan (31%)
- Magenta (9%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.1135, 0.2953, 0.3672 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 71.1135, 0.2953, 0.3672 by changing the saturation by 10% instead.


 71.1135, 0.2953,
0.3672

 71.1135, 0.2953,
0.3672


464.4501, 0.3036,
0.3489

 52.4348, 0.2933,
0.3715

 120.7953, 0.2983,
0.3607

 37.3518, 0.2908,
0.3770


152.5673, 0.2994,
0.3583

 25.4800, 0.2876,
0.3840


189.4724, 0.3003,
0.3561

 16.4350, 0.2833,
0.3934

231.8952, 0.3012,
0.3543

 9.8325, 0.2773,
0.4066

280.2199, 0.3019,
0.3527

 5.2880, 0.2681,
0.4266

334.8311, 0.3026,

 2.4172, 0.2526,

0.3513

0.4603

396.1130, 0.3031,
0.3501

0.8347, 0.1610,
0.6618

0.0000, 0.0000,
0.0000

71.1135, 0.2953,
0.3672

71.1135, 0.2953,
0.3672

68.0457, 0.2888,
0.3860

74.7031, 0.3024,
0.3501

65.4660, 0.2831,
0.4064

78.8288, 0.3097,
0.3348

63.3504, 0.2785,
0.4281

83.5152, 0.3170,
0.3212

61.6692, 0.2755,
0.4505

86.0683, 0.3150,
0.3087

■ 60.3891, 0.2742,
0.4730

■ 86.1943, 0.3138,
0.3068

■ 59.4718, 0.2749,
0.4949

■ 58.8708, 0.2775,
0.5154

■ 58.6237, 0.2796,
0.5265

Harmonies

Analogous

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



71.1135, 0.3268, 0.3838



71.1135, 0.2953, 0.3672



71.1135, 0.2693, 0.3389

Triad

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



71.1135, 0.2953, 0.3672



71.1135, 0.2699, 0.2772



71.1135, 0.3740, 0.3438

Complementary

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



71.1135, 0.2953, 0.3672



52.7656, 0.3351, 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.



71.1135, 0.3573, 0.3175



71.1135, 0.2953, 0.3672



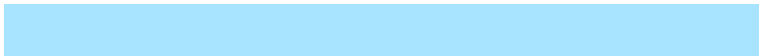
71.1135, 0.2962, 0.2803

Square

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



71.1135, 0.2953, 0.3672



71.1135, 0.2553, 0.2871



71.1135, 0.3283, 0.2948



71.1135, 0.3732, 0.3679

Rectangle

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



71.1135, 0.2953, 0.3672



71.1135, 0.2583, 0.3186



71.1135, 0.3283, 0.2948



71.1135, 0.3703, 0.3349

Sweetspot

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



71.1165, 0.2953, 0.3672



96.1308, 0.3075, 0.3391



74.3570, 0.3321, 0.3927



20.5080, 0.3071, 0.3400



0.0000, 0.0000, 0.0000



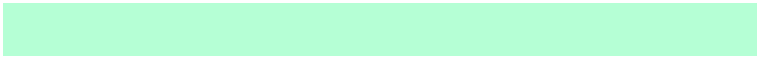
21.4041, 0.3127, 0.3290

Same Dimension

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



71.1165, 0.2953, 0.3672



86.1411, 0.2919, 0.3764



72.5104, 0.2797, 0.3343



16.1912, 0.3058, 0.3427



32.5691, 0.2787, 0.5235



2.4250, 0.2707, 0.4947

Inverse Universe

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



52.7656, 0.3351, 0.2937



59.6721, 0.3410, 0.2861



51.5344, 0.3589, 0.3239



14.5053, 0.3203, 0.3157



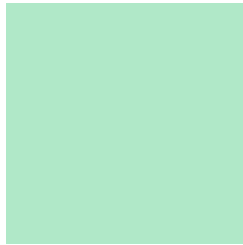
10.4833, 0.4654, 0.2338



0.7932, 0.4385, 0.2190

Previews

White Background



This preview shows how the Yxy color 71.1135, 0.2953, 0.3672 looks on a white background.

Color Contrast Check

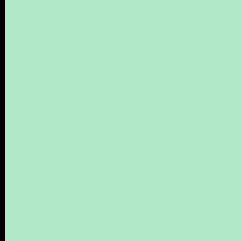
Large Text (above 18pt) WCAG AA × Fail

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 71.1135, 0.2953, 0.3672 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

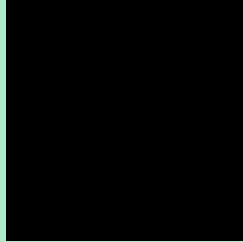
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

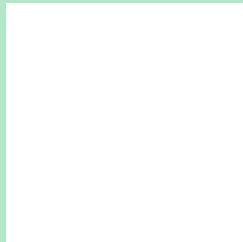
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.1135, 0.2953, 0.3672

Background



This preview shows how black text looks on a background with the Yxy color 71.1135, 0.2953, 0.3672.

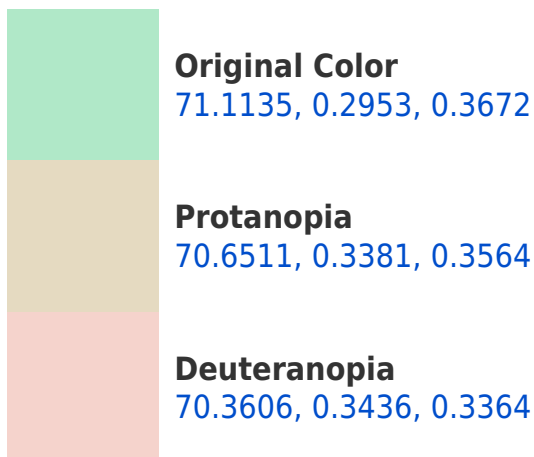


This preview shows how white text looks on a background with the Yxy color 71.1135, 0.2953, 0.3672.

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

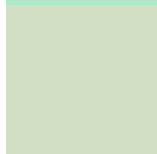
71.1147, 0.2747, 0.3087

Trichromacy



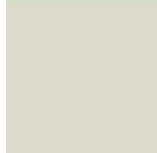
Original Color

71.1135, 0.2953, 0.3672



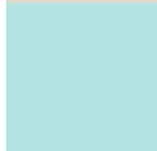
Protanomaly

70.4625, 0.3212, 0.3597



Deuteranomaly

70.1905, 0.3242, 0.3468



Tritanomaly

70.9120, 0.2820, 0.3289

Monochromacy



Original Color

71.1135, 0.2953, 0.3672



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

67.3592, 0.3057, 0.3417

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.1135, 0.2953, 0.3672 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(176, 232, 200)` looks like.

```
.text, #text, p{  
    color:rgb(176, 232, 200)  
}
```

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(176, 232, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 232, 200) }
```

Border

The CSS property to change the border of an element to Yxy 71.1135, 0.2953, 0.3672 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(176, 232, 200) }
```

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

```
.border{ border-color:rgb(176, 232, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 232, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 232, 200); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 232, 200); box-shadow:4px 4px 4px 4px rgb(176, 232, 200) }
```


Background

The CSS property to change the background color of an element to Yxy 71.1135, 0.2953, 0.3672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 232, 200) }
```

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

```
.background{ background-color: rgb(176,  
232, 200) }
```

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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