

Converting Colors

$Yxy(69.8960, 0.3096, 0.3962)$

Have a look what the booklet for
Yxy(69.8960, 0.3096, 0.3962)
contains.

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Color

Yxy(70.0779, 0.3095, 0.3973)

Conversions

Conversions Part 1

Format	Color
Hex	B0E8B0
RGB	176, 232, 176
RGB Percent	69%, 91%, 69%
CMY	0.3099, 0.0901, 0.3099
CMYK	0.24, 0.00, 0.24, 0.09
HSL	120°, 55%, 80%
HSV	120°, 24%, 91%
XYZ	54.5913, 70.0779, 51.7162
YIQ	208.8720, -15.4000, -29.2880

Conversions

Conversions Part 2

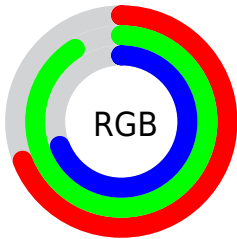
Format	Color
RYB	176, 232, 232
Decimal	11593904
CIELab	87.04, -28.49, 21.60
CIELCh	87, 35.757, 142.836
Yxy	70.0779, 0.3095, 0.3973
Android (android.graphics.Color)	4289783984 (0xFFB0E8B0)
YUV	208.8720, -16.2059, -28.8287
Hunter-Lab	83.7125, -30.0922, 21.9704

Details

The Yxy color **70.0779, 0.3095, 0.3973** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **54.0227, 0.3155, 0.2690**, and the grayscale version is **63.7851, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5020, 0.3116, 0.3522**, and **36.6183, 0.3078, 0.4155** is the 20% darker color. If you saturate the color by 10%, you get **66.7631, 0.3079, 0.4311**, and if you desaturate by 10%, it is **74.0177, 0.3109, 0.3666**.

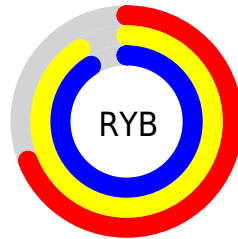
Distribution



Red (69%)

Green (91%)

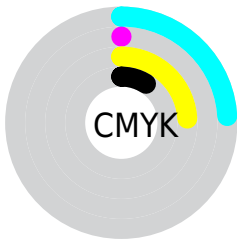
Blue (69%)



Red (69%)

Yellow (91%)

Blue (91%)

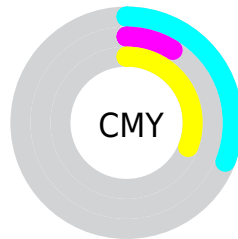


Cyan (24%)

Magenta (0%)

Yellow (24%)

Black (9%)



Cyan (31%)

Magenta (9%)

Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.0779, 0.3095, 0.3973 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 70.0779, 0.3095, 0.3973 by changing the saturation by 10% instead.

 70.0779, 0.3095,
0.3973

 70.0779, 0.3095,
0.3973

460.8235, 0.3117,
0.3641

 51.5900, 0.3088,
0.4053


 119.3198, 0.3104,
0.3855

 36.6784, 0.3078,
0.4153


150.8427, 0.3107,
0.3810

 24.9586, 0.3063,
0.4284


187.4794, 0.3110,
0.3771

 16.0462, 0.3041,
0.4461

229.6142, 0.3112,
0.3738

 9.5569, 0.3003,
0.4711

277.6317, 0.3114,
0.3709

 5.1061, 0.2934,
0.5091


331.9161, 0.3115,

 2.3097, 0.2825,

0.3684

0.5808


392.8519, 0.3116,
0.3661


 0.7788, 0.0542,
0.9458


 0.0000, 0.0000,
0.0000

 70.0779, 0.3095,
0.3973

 70.0779, 0.3095,
0.3973


 66.7631, 0.3079,
0.4311


 74.0177, 0.3109,
0.3666

 64.0328, 0.3062,
0.4668

 78.6027, 0.3122,
0.3393

 61.8559, 0.3045,
0.5027

 83.8634, 0.3134,
0.3155

 60.1945, 0.3030,
0.5362

 86.2001, 0.3138,
0.3068

■ 59.0061, 0.3017,
0.5644

■ 58.2415, 0.3007,
0.5848

■ 57.8407, 0.3002,
0.5964

■ 57.7203, 0.3000,
0.6000

Harmonies

Analogous

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



70.0779, 0.3524, 0.4078



70.0779, 0.3095, 0.3973



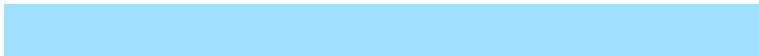
70.0779, 0.2693, 0.3637

Triad

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



70.0779, 0.3095, 0.3973



70.0779, 0.2425, 0.2630



70.0779, 0.3887, 0.3299

Complementary

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



70.0779, 0.3095, 0.3973



54.0227, 0.3155, 0.2690

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.



70.0779, 0.3552, 0.2968



70.0779, 0.3095, 0.3973



70.0779, 0.2703, 0.2593

Square

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



70.0779, 0.3095, 0.3973



70.0779, 0.2325, 0.2841



70.0779, 0.3111, 0.2716



70.0779, 0.3999, 0.3649

Rectangle

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



70.0779, 0.3095, 0.3973



70.0779, 0.2491, 0.3350



70.0779, 0.3111, 0.2716



70.0779, 0.3795, 0.3183

Sweetspot

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



70.0809, 0.3095, 0.3973



95.6739, 0.3119, 0.3468



78.0114, 0.3492, 0.3892



20.4024, 0.3118, 0.3484



0.0000, 0.0000, 0.0000



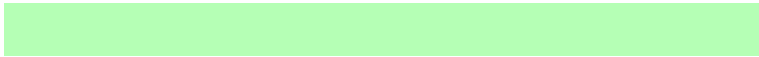
21.4041, 0.3127, 0.3290

Same Dimension

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



70.0809, 0.3095, 0.3973



84.6890, 0.3087, 0.4138



71.3060, 0.2930, 0.3623



16.0893, 0.3116, 0.3533



32.0403, 0.3000, 0.6000



2.3677, 0.3000, 0.5999

Inverse Universe

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



54.0227, 0.3155, 0.2690



61.5466, 0.3161, 0.2566



52.5560, 0.3385, 0.2980



14.6152, 0.3138, 0.3059



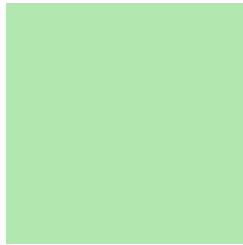
12.7564, 0.3210, 0.1542



0.9427, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 70.0779, 0.3095, 0.3973 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 70.0779, 0.3095, 0.3973 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 70.0779, 0.3095, 0.3973

Background



This preview shows how black text looks on a background with the Yxy color 70.0779, 0.3095, 0.3973.

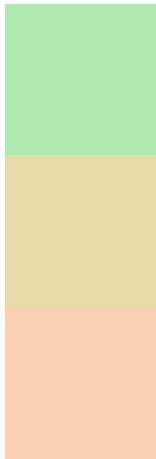


This preview shows how white text looks on a background with the Yxy color 70.0779, 0.3095, 0.3973.

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

70.0779, 0.3095, 0.3973

Protanopia

69.6461, 0.3577, 0.3817

Deuteranopia

69.4464, 0.3661, 0.3584



Tritanopia

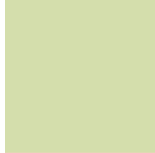
69.6910, 0.2779, 0.3086

Trichromacy



Original Color

70.0779, 0.3095, 0.3973



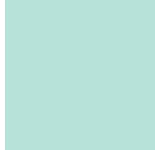
Protanomaly

69.2182, 0.3390, 0.3864



Deuteranomaly

68.7277, 0.3443, 0.3716



Tritanomaly

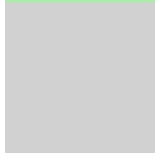
69.4697, 0.2895, 0.3395

Monochromacy



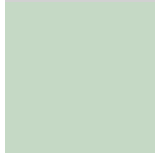
Original Color

70.0779, 0.3095, 0.3973



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

65.5272, 0.3116, 0.3526

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.0779, 0.3095, 0.3973 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, 176)` looks like.

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

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, 176) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 70.0779, 0.3095, 0.3973 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, 176) }
```

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

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

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, 176)` colored shadow looks like.

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


Background

The CSS property to change the background color of an element to Yxy 70.0779, 0.3095, 0.3973 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, 176) }
```

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

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

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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