

Converting Colors

$Yxy(70.0064, 0.3000, 0.3680)$

Have a look what the booklet for
Yxy(70.0064, 0.3000, 0.3680)
contains.

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Color

Yxy(69.7731, 0.2996, 0.3673)

Conversions

Conversions Part 1

Format	Color
Hex	B4E5C5
RGB	180, 229, 197
RGB Percent	71%, 90%, 77%
CMY	0.2942, 0.1019, 0.2275
CMYK	0.21, 0.00, 0.14, 0.10
HSL	141°, 49%, 80%
HSV	141°, 21%, 90%
XYZ	56.9127, 69.7731, 63.2764
YIQ	210.7010, -18.9320, -20.3400

Conversions

Conversions Part 2

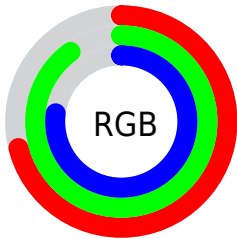
Format	Color
RYB	180, 216, 229
Decimal	11855301
CIELab	86.89, -22.04, 10.49
CIElCh	87, 24.409, 154.552
Yxy	69.7731, 0.2996, 0.3673
Android (android.graphics.Color)	4290045381 (0xFFB4E5C5)
YUV	210.7010, -6.7546, -26.9248
Hunter-Lab	83.5303, -24.5585, 13.5575

Details

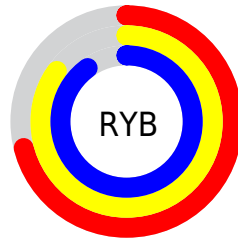
The Yxy color **69.7731, 0.2996, 0.3673** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **54.0460, 0.3287, 0.2936**, and the grayscale version is **64.9859, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5086, 0.3017, 0.3300**, and **36.3059, 0.2960, 0.3770** is the 20% darker color. If you saturate the color by 10%, you get **66.5992, 0.2939, 0.3884**, and if you desaturate by 10%, it is **73.4750, 0.3057, 0.3482**.

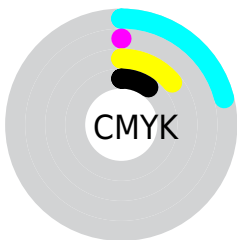
Distribution



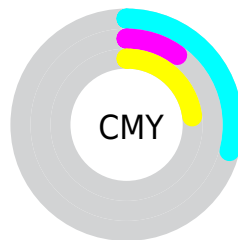
- Red (71%)
- Green (90%)
- Blue (77%)



- Red (71%)
- Yellow (85%)
- Blue (90%)



- Cyan (21%)
- Magenta (0%)
- Yellow (14%)
- Black (10%)





- Cyan (29%)
- Magenta (10%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.7731, 0.2996, 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 69.7731, 0.2996, 0.3673 by changing the saturation by 10% instead.

 69.7731, 0.2996,
0.3673

 69.7731, 0.2996,
0.3673


459.7529, 0.3060,
0.3489

 51.3416, 0.2981,
0.3717

 118.8851, 0.3019,
0.3608

 36.4805, 0.2961,
0.3772


150.3344, 0.3027,
0.3583

 24.8055, 0.2936,
0.3843


186.8917, 0.3035,
0.3562

 15.9322, 0.2902,
0.3938

228.9415, 0.3041,
0.3543

 9.4762, 0.2853,
0.4073

276.8681, 0.3047,
0.3527

 5.0531, 0.2778,
0.4278

331.0560, 0.3051,

 2.2784, 0.2648,

0.3513

391.8894, 0.3056,
0.3501

0.4625

0.7623, 0.1784,
0.7291

0.0000, 0.0000,
0.0000

69.7731, 0.2996,
0.3673

69.7731, 0.2996,
0.3673

66.5992, 0.2939,
0.3884

73.4750, 0.3057,
0.3482

63.9202, 0.2888,
0.4115

77.7188, 0.3118,
0.3312

61.7129, 0.2846,
0.4360

82.5286, 0.3180,
0.3163

59.9484, 0.2818,
0.4614

84.5257, 0.3139,
0.3039

■ 58.5950, 0.2805,
0.4869

■ 57.6160, 0.2810,
0.5112

■ 56.9680, 0.2832,
0.5334

■ 56.6161, 0.2861,
0.5501

Harmonies

Analogous

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



69.7731, 0.3294, 0.3812



69.7731, 0.2996, 0.3673



69.7731, 0.2741, 0.3416

Triad

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



69.7731, 0.2996, 0.3673



69.7731, 0.2702, 0.2806



69.7731, 0.3694, 0.3403

Complementary

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



69.7731, 0.2996, 0.3673



54.0460, 0.3287, 0.2936

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.



69.7731, 0.3520, 0.3155



69.7731, 0.2996, 0.3673



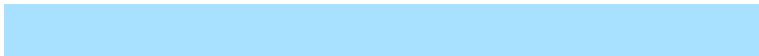
69.7731, 0.2940, 0.2821

Square

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



69.7731, 0.2996, 0.3673



69.7731, 0.2578, 0.2914



69.7731, 0.3240, 0.2947



69.7731, 0.3706, 0.3635

Rectangle

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



69.7731, 0.2996, 0.3673



69.7731, 0.2627, 0.3225



69.7731, 0.3240, 0.2947



69.7731, 0.3652, 0.3319

Sweetspot

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



69.7760, 0.2996, 0.3673



96.5857, 0.3090, 0.3388



73.4362, 0.3329, 0.3844



20.5971, 0.3086, 0.3400



0.0000, 0.0000, 0.0000



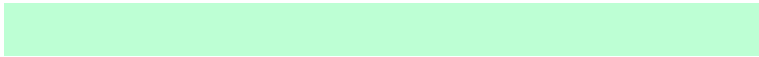
21.4041, 0.3127, 0.3290

Same Dimension

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



69.7760, 0.2996, 0.3673



87.0382, 0.2968, 0.3771



70.9578, 0.2855, 0.3384



16.1713, 0.3069, 0.3447



32.3867, 0.2854, 0.5473



2.4103, 0.2771, 0.5176

Inverse Universe

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



54.0460, 0.3287, 0.2936



63.3531, 0.3331, 0.2854



52.9293, 0.3488, 0.3198



14.5259, 0.3191, 0.3138



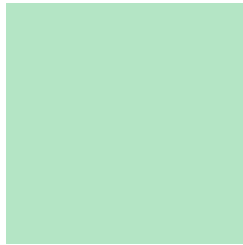
10.7994, 0.4323, 0.2155



0.8154, 0.4118, 0.2042

Previews

White Background



This preview shows how the Yxy color 69.7731, 0.2996, 0.3673 looks on a white background.

Color Contrast Check

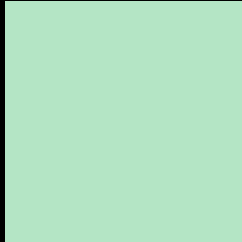
Large Text (above 18pt) WCAG AA × Fail

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 69.7731, 0.2996, 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

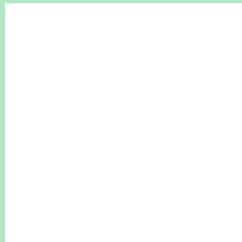
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.7731, 0.2996, 0.3673

Background



This preview shows how black text looks on a background with the Yxy color 69.7731, 0.2996, 0.3673.



This preview shows how white text looks on a background with the Yxy color 69.7731, 0.2996, 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

69.7731, 0.2996, 0.3673

Protanopia

69.1603, 0.3390, 0.3578

Deuteranopia

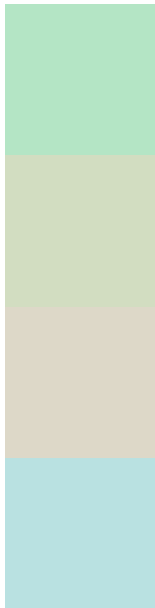
69.0511, 0.3454, 0.3376



Tritanopia

69.8176, 0.2785, 0.3087

Trichromacy



Original Color

69.7731, 0.2996, 0.3673

Protanomaly

69.2648, 0.3234, 0.3610

Deuteranomaly

68.6540, 0.3274, 0.3469

Tritanomaly

69.6010, 0.2860, 0.3289

Monochromacy



Original Color

69.7731, 0.2996, 0.3673

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

66.8784, 0.3078, 0.3429

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.7731, 0.2996, 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(180, 229, 197)` looks like.

```
.text, #text, p{  
    color:rgb(180, 229, 197)  
}
```

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(180, 229, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 229, 197) }
```

Border

The CSS property to change the border of an element to Yxy 69.7731, 0.2996, 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(180, 229, 197) }
```

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

```
.border{ border-color:rgb(180, 229, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 229, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(180, 229, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(180, 229, 197); box-shadow:4px 4px 4px 4px rgb(180, 229, 197) }
```


Background

The CSS property to change the background color of an element to Yxy 69.7731, 0.2996, 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(180, 229, 197) }
```

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

```
.background{ background-color: rgb(180,  
229, 197) }
```

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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