

Converting Colors

$Yxy(70.8689, 0.3229, 0.4094)$

Have a look what the booklet for
Yxy(70.8689, 0.3229, 0.4094)
contains.

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Color

Yxy(70.8689, 0.3229, 0.4094)

Conversions

Conversions Part 1

Format	Color
Hex	BAE8A5
RGB	186, 232, 165
RGB Percent	73%, 91%, 65%
CMY	0.2707, 0.0902, 0.3529
CMYK	0.20, 0.00, 0.29, 0.09
HSL	101°, 59%, 78%
HSV	101°, 29%, 91%
XYZ	55.8954, 70.8689, 46.3400
YIQ	210.6080, -5.9090, -30.5890

Conversions

Conversions Part 2

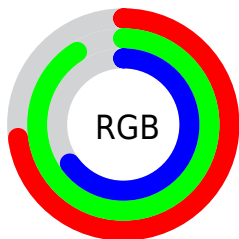
Format	Color
RYB	165, 232, 211
Decimal	12249253
CIELab	87.42, -26.88, 27.87
CIELCh	87, 38.720, 133.957
Yxy	70.8689, 0.3229, 0.4094
Android (android.graphics.Color)	4290439333 (0xFFBAE8A5)
YUV	210.6080, -22.4847, -21.5812
Hunter-Lab	84.1837, -28.8029, 26.2916

Details

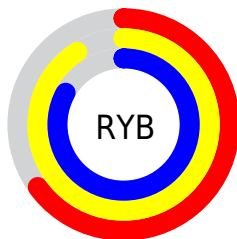
The Yxy color **70.8689, 0.3229, 0.4094** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **46.6016, 0.2985, 0.2533**, and the grayscale version is **65.0234, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7420, 0.3256, 0.3640**, and **37.1485, 0.3240, 0.4295** is the 20% darker color. If you saturate the color by 10%, you get **68.2158, 0.3255, 0.4413**, and if you desaturate by 10%, it is **73.9041, 0.3197, 0.3792**.

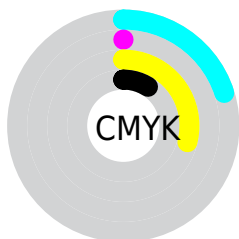
Distribution



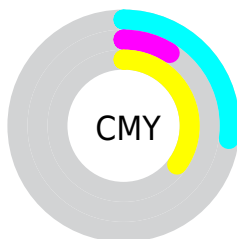
- Red (73%)
- Green (91%)
- Blue (65%)



- Red (65%)
- Yellow (91%)
- Blue (83%)



- Cyan (20%)
- Magenta (0%)
- Yellow (29%)
- Black (9%)





- Cyan (27%)
- Magenta (9%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.8689, 0.3229, 0.4094 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 70.8689, 0.3229, 0.4094 by changing the saturation by 10% instead.


 70.8689, 0.3229,
0.4094


 70.8689, 0.3229,
0.4094


463.5950, 0.3191,
0.3704

 52.2352, 0.3235,
0.4187

 120.4470, 0.3218,
0.3955

 37.1926, 0.3240,
0.4304


 152.1603, 0.3213,
0.3903

 25.3566, 0.3245,
0.4455


189.0022, 0.3209,
0.3857

 16.3430, 0.3245,
0.4657

231.3571, 0.3205,
0.3818

 9.7672, 0.3236,
0.4940

279.6094, 0.3201,
0.3784

 5.2449, 0.3199,
0.5358

334.1436, 0.3197,

 2.3916, 0.3248,

0.3755

0.6350

395.3440, 0.3194,
0.3728

0.8216, 0.1319,
0.8681

0.0000, 0.0000,
0.0000

70.8689, 0.3229,
0.4094

70.8689, 0.3229,
0.4094

68.2158, 0.3255,
0.4413

73.9041, 0.3197,
0.3792

65.9201, 0.3272,
0.4739

77.3270, 0.3161,
0.3514

63.9681, 0.3276,
0.5056

81.1542, 0.3123,
0.3263

62.3417, 0.3266,
0.5345

85.2157, 0.3103,
0.3066

■ 61.0205, 0.3240,
0.5586

■ 86.1980, 0.3138,
0.3068

■ 59.9818, 0.3199,
0.5764

■ 59.1948, 0.3149,
0.5875

■ 59.1183, 0.3144,
0.5886

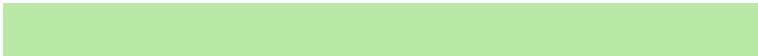
Harmonies

Analogous

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



70.8689, 0.3675, 0.4120



70.8689, 0.3229, 0.4094



70.8689, 0.2776, 0.3793

Triad

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



70.8689, 0.3229, 0.4094



70.8689, 0.2322, 0.2627



70.8689, 0.3861, 0.3187

Complementary

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



70.8689, 0.3229, 0.4094



46.6016, 0.2985, 0.2533

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.



70.8689, 0.3448, 0.2852



70.8689, 0.3229, 0.4094



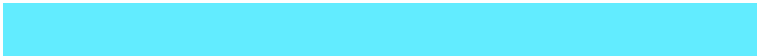
70.8689, 0.2565, 0.2536

Square

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



70.8689, 0.3229, 0.4094



70.8689, 0.2275, 0.2905



70.8689, 0.2969, 0.2620



70.8689, 0.4062, 0.3562

Rectangle

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



70.8689, 0.3229, 0.4094



70.8689, 0.2530, 0.3493



70.8689, 0.2969, 0.2620



70.8689, 0.3741, 0.3067

Sweetspot

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



70.8720, 0.3229, 0.4094



95.7398, 0.3161, 0.3519



66.3620, 0.3623, 0.3797



20.3532, 0.3167, 0.3558



0.0000, 0.0000, 0.0000



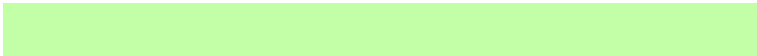
21.4041, 0.3127, 0.3290

Same Dimension

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



70.8720, 0.3229, 0.4094



85.6900, 0.3246, 0.4294



68.9062, 0.3016, 0.3970



16.3068, 0.3163, 0.3530



32.8764, 0.3154, 0.5878



2.4774, 0.3264, 0.5790

Inverse Universe

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



46.6016, 0.2985, 0.2533



50.7452, 0.2944, 0.2359



49.2285, 0.3263, 0.2694



14.3773, 0.3088, 0.3055



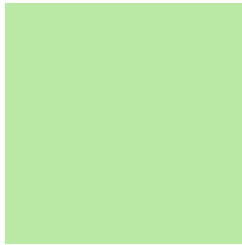
7.4201, 0.2434, 0.1114



0.5971, 0.2549, 0.1178

Previews

White Background



This preview shows how the Yxy color 70.8689, 0.3229, 0.4094 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 70.8689, 0.3229, 0.4094 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

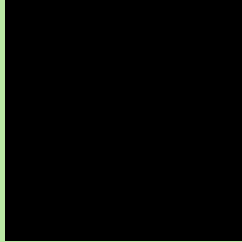
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.8689, 0.3229, 0.4094

Background



This preview shows how black text looks on a background with the Yxy color 70.8689, 0.3229, 0.4094.

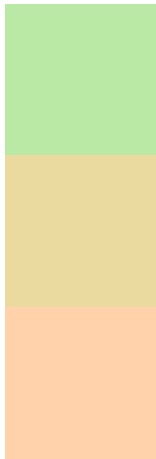


This preview shows how white text looks on a background with the Yxy color 70.8689, 0.3229, 0.4094.

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

70.8689, 0.3229, 0.4094

Protanopia

70.3082, 0.3668, 0.3932

Deuteranopia

70.2935, 0.3765, 0.3695



Tritanopia

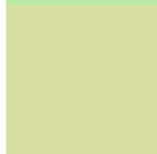
70.5396, 0.2853, 0.3090

Trichromacy



Original Color

70.8689, 0.3229, 0.4094



Protanomaly

70.1003, 0.3500, 0.3993



Deuteranomaly

69.8304, 0.3558, 0.3831



Tritanomaly

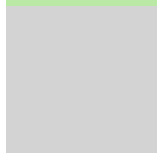
70.6661, 0.2991, 0.3439

Monochromacy



Original Color

70.8689, 0.3229, 0.4094



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

67.1146, 0.3171, 0.3581

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.8689, 0.3229, 0.4094 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(186, 232, 165)` looks like.

```
.text, #text, p{  
    color:rgb(186, 232, 165)  
}
```

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(186, 232, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 232, 165) }
```

Border

The CSS property to change the border of an element to Yxy 70.8689, 0.3229, 0.4094 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(186, 232, 165) }
```

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

```
.border{ border-color:rgb(186, 232, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 232, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 232, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 232, 165);  
box-shadow:4px 4px 4px 4px rgb(186, 232,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 70.8689, 0.3229, 0.4094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 232, 165) }
```

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

```
.background{ background-color: rgb(186,  
232, 165) }
```

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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