

Converting Colors

$Yxy(72.9751, 0.3230, 0.3969)$

Have a look what the booklet for
Yxy(72.9751, 0.3230, 0.3969)
contains.

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Color

Yxy(72.9751, 0.3230, 0.3969)

Conversions

Conversions Part 1

Format	Color
Hex	C3E9AF
RGB	195, 233, 175
RGB Percent	76%, 91%, 69%
CMY	0.2351, 0.0863, 0.3138
CMYK	0.16, 0.00, 0.25, 0.09
HSL	99°, 57%, 80%
HSV	99°, 25%, 91%
XYZ	59.3876, 72.9751, 51.4999
YIQ	215.0260, -4.0300, -26.0940

Conversions

Conversions Part 2

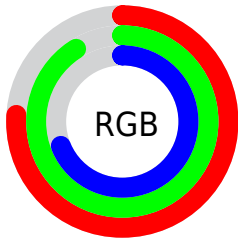
Format	Color
RYB	175, 233, 213
Decimal	12839343
CIELab	88.44, -22.70, 24.23
CIELCh	88, 33.205, 133.129
Yxy	72.9751, 0.3230, 0.3969
Android (android.graphics.Color)	4291029423 (0xFFC3E9AF)
YUV	215.0260, -19.7328, -17.5628
Hunter-Lab	85.4255, -25.4016, 24.0540

Details

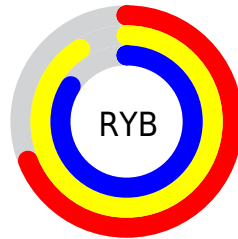
The Yxy color **72.9751, 0.3230, 0.3969** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **50.6707, 0.2993, 0.2640**, and the grayscale version is **68.1166, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9850, 0.3248, 0.3524**, and **38.5121, 0.3250, 0.4142** is the 20% darker color. If you saturate the color by 10%, you get **70.2119, 0.3264, 0.4280**, and if you desaturate by 10%, it is **76.1099, 0.3190, 0.3678**.

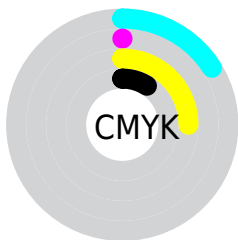
Distribution



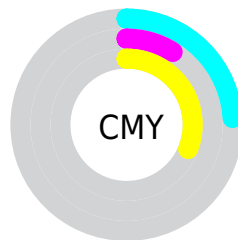
- Red (76%)
- Green (91%)
- Blue (69%)



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



- Cyan (16%)
- Magenta (0%)
- Yellow (25%)
- Black (9%)





- Cyan (24%)
- Magenta (9%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.9751, 0.3230, 0.3969 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 72.9751, 0.3230, 0.3969 by changing the saturation by 10% instead.


 72.9751, 0.3230,
0.3969

 72.9751, 0.3230,
0.3969


470.9285, 0.3189,
0.3643

 53.9556, 0.3237,
0.4046


 123.4419, 0.3217,
0.3854

 38.5662, 0.3246,
0.4142


155.6579, 0.3212,
0.3810

 26.4224, 0.3254,
0.4267


193.0416, 0.3207,
0.3772

 17.1399, 0.3262,
0.4432

235.9773, 0.3203,
0.3739

 10.3343, 0.3266,
0.4662

284.8495, 0.3199,
0.3711

 5.6212, 0.3257,
0.5003


340.0425, 0.3195,


 2.6161, 0.3246,


0.3686


0.5620


401.9407, 0.3192,
0.3663


 0.9348, 0.2629,
0.7371

 0.0000, 0.0000,
0.0000


 72.9751, 0.3230,
0.3969


 72.9751, 0.3230,
0.3969


 70.2119, 0.3264,
0.4280


 76.1099, 0.3190,
0.3678


 67.7965, 0.3290,
0.4601

 79.6202, 0.3148,
0.3411

 65.7168, 0.3304,
0.4919

 83.5220, 0.3105,
0.3171

 63.9562, 0.3303,
0.5217

 86.7568, 0.3137,
0.3078

■ 62.4964, 0.3285,
0.5475

■ 61.3170, 0.3250,
0.5677

■ 60.3940, 0.3201,
0.5813

■ 60.0068, 0.3174,
0.5862

Harmonies

Analogous

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



72.9751, 0.3607, 0.3992



72.9751, 0.3230, 0.3969



72.9751, 0.2841, 0.3723

Triad

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



72.9751, 0.3230, 0.3969



72.9751, 0.2431, 0.2729



72.9751, 0.3742, 0.3197

Complementary

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



72.9751, 0.3230, 0.3969



50.6707, 0.2993, 0.2640

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.



72.9751, 0.3391, 0.2907



72.9751, 0.3230, 0.3969



72.9751, 0.2639, 0.2641

Square

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



72.9751, 0.3230, 0.3969



72.9751, 0.2396, 0.2976



72.9751, 0.2984, 0.2709



72.9751, 0.3918, 0.3522

Rectangle

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



72.9751, 0.3230, 0.3969



72.9751, 0.2626, 0.3475



72.9751, 0.2984, 0.2709



72.9751, 0.3639, 0.3093

Sweetspot

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



72.9783, 0.3230, 0.3969



96.7552, 0.3157, 0.3466



67.8506, 0.3553, 0.3705



20.6521, 0.3160, 0.3482



0.0000, 0.0000, 0.0000



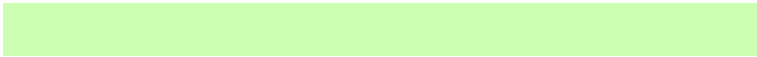
21.4041, 0.3127, 0.3290

Same Dimension

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



72.9783, 0.3230, 0.3969



87.7266, 0.3249, 0.4130



70.8354, 0.3042, 0.3888



17.1153, 0.3168, 0.3530



34.1117, 0.3185, 0.5853



2.7303, 0.3291, 0.5769

Inverse Universe

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



50.6707, 0.2993, 0.2640



55.8441, 0.2957, 0.2493



53.3721, 0.3225, 0.2758



15.0380, 0.3083, 0.3054



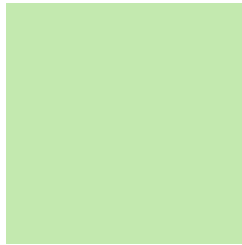
7.2214, 0.2356, 0.1071



0.6201, 0.2475, 0.1137

Previews

White Background



This preview shows how the Yxy color 72.9751, 0.3230, 0.3969 looks on a white background.

Color Contrast Check

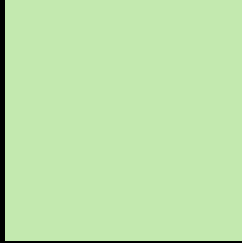
Large Text (above 18pt) WCAG AA × Fail

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 72.9751, 0.3230, 0.3969 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

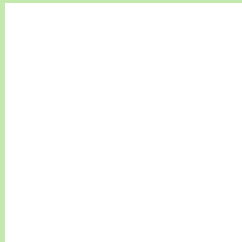
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.9751, 0.3230, 0.3969

Background



This preview shows how black text looks on a background with the Yxy color 72.9751, 0.3230, 0.3969.



This preview shows how white text looks on a background with the Yxy color 72.9751, 0.3230, 0.3969.

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
72.9751, 0.3230, 0.3969
Protanopia
72.6197, 0.3598, 0.3840
Deuteranopia
72.2674, 0.3666, 0.3600



Tritanopia

72.7012, 0.2887, 0.3093

Trichromacy



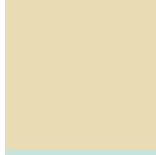
Original Color

72.9751, 0.3230, 0.3969



Protanomaly

72.3586, 0.3459, 0.3881



Deuteranomaly

71.8053, 0.3499, 0.3726



Tritanomaly

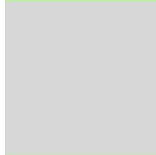
72.4176, 0.3007, 0.3391

Monochromacy



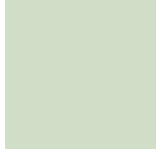
Original Color

72.9751, 0.3230, 0.3969



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

69.8226, 0.3172, 0.3541

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.9751, 0.3230, 0.3969 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(195, 233, 175)` looks like.

```
.text, #text, p{  
    color:rgb(195, 233, 175)  
}
```

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(195, 233, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 233, 175) }
```

Border

The CSS property to change the border of an element to Yxy 72.9751, 0.3230, 0.3969 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(195, 233, 175) }
```

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

```
.border{ border-color:rgb(195, 233, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 233, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 233, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 233, 175);  
box-shadow:4px 4px 4px 4px rgb(195, 233,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 72.9751, 0.3230, 0.3969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 233, 175) }
```

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

```
.background{ background-color: rgb(195,  
233, 175) }
```

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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