

Converting Colors

$Yxy(72.1432, 0.3324, 0.3923)$

Have a look what the booklet for
Yxy(72.1432, 0.3324, 0.3923)
contains.

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Color

Yxy(72.2164, 0.3320, 0.3923)

Conversions

Conversions Part 1

Format	Color
Hex	CEE5AE
RGB	206, 229, 174
RGB Percent	81%, 90%, 68%
CMY	0.1921, 0.1020, 0.3177
CMYK	0.10, 0.00, 0.24, 0.10
HSL	85°, 51%, 79%
HSV	85°, 24%, 90%
XYZ	61.1161, 72.2164, 50.7521
YIQ	215.8530, 3.9470, -21.9810

Conversions

Conversions Part 2

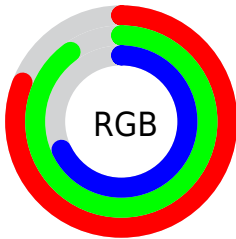
Format	Color
RYB	174, 229, 197
Decimal	13559214
CIELab	88.07, -17.03, 24.37
CIELCh	88, 29.726, 124.948
Yxy	72.2164, 0.3320, 0.3923
Android (android.graphics.Color)	4291749294 (0xFFCEE5AE)
YUV	215.8530, -20.6335, -8.6411
Hunter-Lab	84.9802, -20.3418, 24.0768

Details

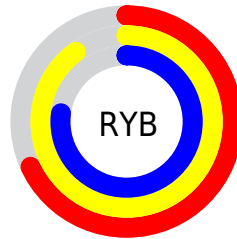
The Yxy color **72.2164, 0.3320, 0.3923** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **47.7871, 0.2894, 0.2645**, and the grayscale version is **68.7084, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.4932, 0.3274, 0.3532**, and **38.2319, 0.3357, 0.4093** is the 20% darker color. If you saturate the color by 10%, you get **70.0737, 0.3395, 0.4210**, and if you desaturate by 10%, it is **74.6010, 0.3240, 0.3647**.

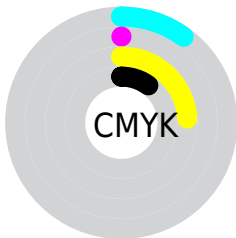
Distribution



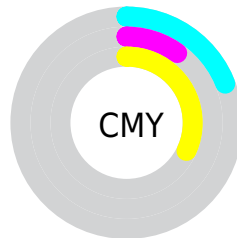
- Red (81%)
- Green (90%)
- Blue (68%)



- Red (68%)
- Yellow (90%)
- Blue (77%)



- Cyan (10%)
- Magenta (0%)
- Yellow (24%)
- Black (10%)





- Cyan (19%)
- Magenta (10%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.2164, 0.3320, 0.3923 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 72.2164, 0.3320, 0.3923 by changing the saturation by 10% instead.

 72.2164, 0.3320,
0.3923

 72.2164, 0.3320,
0.3923

468.2945, 0.3236,
0.3621

 53.3355, 0.3338,
0.3994


 122.3641, 0.3292,
0.3817

 38.0706, 0.3358,
0.4082

154.3997, 0.3281,
0.3776

 26.0375, 0.3383,
0.4196


191.5890, 0.3271,
0.3741

 16.8517, 0.3413,
0.4346

234.3164, 0.3262,
0.3710

 10.1288, 0.3447,
0.4554

282.9662, 0.3255,
0.3684

 5.4845, 0.3484,
0.4858

337.9229, 0.3248,

 2.5342, 0.3561,

0.3661

0.5423

399.5709, 0.3242,
0.3640

0.8937, 0.3268,
0.6732

0.0000, 0.0000,
0.0000

72.2164, 0.3320,
0.3923

72.2164, 0.3320,
0.3923

70.0737, 0.3395,
0.4210

74.6010, 0.3240,
0.3647

68.1541, 0.3460,
0.4501

77.2266, 0.3160,
0.3389

66.4511, 0.3512,
0.4783

80.1045, 0.3080,
0.3150

64.9537, 0.3545,
0.5043

82.5419, 0.3067,
0.3033

■ 63.6499, 0.3555,
0.5267

■ 84.2999, 0.3131,
0.3038

■ 62.5260, 0.3542,
0.5444

■ 84.5190, 0.3139,
0.3039

■ 61.5657, 0.3505,
0.5568

■ 61.0554, 0.3476,
0.5622

Harmonies

Analogous

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



72.2164, 0.3638, 0.3894



72.2164, 0.3320, 0.3923



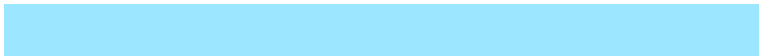
72.2164, 0.2962, 0.3753

Triad

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



72.2164, 0.3320, 0.3923



72.2164, 0.2473, 0.2834



72.2164, 0.3605, 0.3131

Complementary

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



72.2164, 0.3320, 0.3923



47.7871, 0.2894, 0.2645

Split Complementary

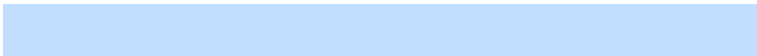
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.2164, 0.3266, 0.2885



72.2164, 0.3320, 0.3923



72.2164, 0.2621, 0.2711

Square

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



72.2164, 0.3320, 0.3923



72.2164, 0.2486, 0.3093



72.2164, 0.2905, 0.2734



72.2164, 0.3813, 0.3423

Rectangle

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



72.2164, 0.3320, 0.3923



72.2164, 0.2750, 0.3551



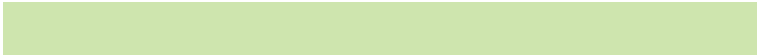
72.2164, 0.2905, 0.2734



72.2164, 0.3501, 0.3041

Sweetspot

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



72.2196, 0.3320, 0.3923



97.5167, 0.3184, 0.3465



59.6035, 0.3568, 0.3550



20.8283, 0.3189, 0.3480



0.0000, 0.0000, 0.0000



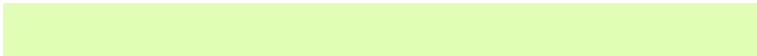
21.4041, 0.3127, 0.3290

Same Dimension

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



72.2196, 0.3320, 0.3923



90.7243, 0.3359, 0.4070



68.6265, 0.3126, 0.3962



16.5016, 0.3204, 0.3527



34.9805, 0.3486, 0.5614



2.6392, 0.3587, 0.5534

Inverse Universe

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



47.7871, 0.2894, 0.2645



54.2752, 0.2833, 0.2492



51.8361, 0.3117, 0.2687



14.1797, 0.3045, 0.3052



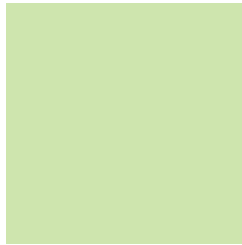
4.7120, 0.1876, 0.0807



0.4017, 0.2040, 0.0897

Previews

White Background



This preview shows how the Yxy color 72.2164, 0.3320, 0.3923 looks on a white background.

Color Contrast Check

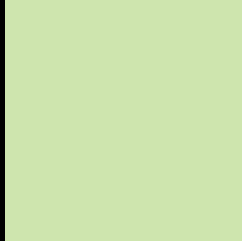
Large Text (above 18pt) WCAG AA × Fail

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 72.2164, 0.3320, 0.3923 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

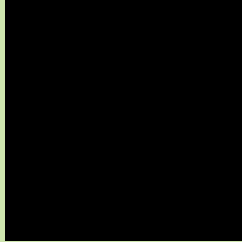
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

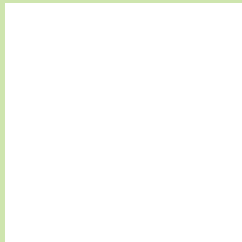
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.2164, 0.3320, 0.3923

Background



This preview shows how black text looks on a background with the Yxy color 72.2164, 0.3320, 0.3923.

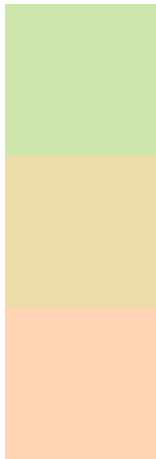


This preview shows how white text looks on a background with the Yxy color 72.2164, 0.3320, 0.3923.

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

72.2164, 0.3320, 0.3923

Protanopia

71.7508, 0.3585, 0.3833

Deuteranopia

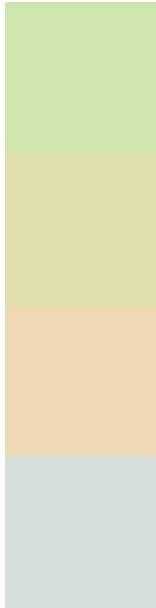
71.6423, 0.3691, 0.3622



Tritanopia

71.8065, 0.2977, 0.3096

Trichromacy



Original Color

72.2164, 0.3320, 0.3923

Protanomaly

71.5629, 0.3486, 0.3869

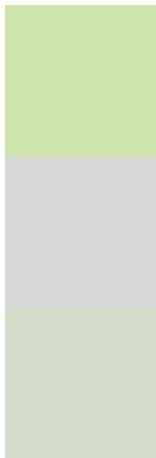
Deuteranomaly

71.3617, 0.3549, 0.3723

Tritanomaly

71.6787, 0.3102, 0.3379

Monochromacy



Original Color

72.2164, 0.3320, 0.3923

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

69.9270, 0.3195, 0.3516

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.2164, 0.3320, 0.3923 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(206, 229, 174)` looks like.

```
.text, #text, p{  
    color:rgb(206, 229, 174)  
}
```

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(206, 229, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 229, 174) }
```

Border

The CSS property to change the border of an element to Yxy 72.2164, 0.3320, 0.3923 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(206, 229, 174) }
```

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

```
.border{ border-color:rgb(206, 229, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 229, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 229, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 229, 174);  
box-shadow:4px 4px 4px 4px rgb(206, 229,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 72.2164, 0.3320, 0.3923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 229, 174) }
```

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

```
.background{ background-color: rgb(206,  
229, 174) }
```

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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