

Converting Colors

$Yxy(71.0737, 0.3448, 0.4224)$

Have a look what the booklet for
Yxy(71.0737, 0.3448, 0.4224)
contains.

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Color

Yxy(70.7651, 0.3449, 0.4222)

Conversions

Conversions Part 1

Format	Color
Hex	CAE595
RGB	202, 229, 149
RGB Percent	79%, 90%, 58%
CMY	0.2077, 0.1020, 0.4158
CMYK	0.12, 0.00, 0.35, 0.10
HSL	80°, 61%, 74%
HSV	80°, 35%, 90%
XYZ	57.8088, 70.7651, 39.0365
YIQ	211.8070, 9.5880, -30.6040

Conversions

Conversions Part 2

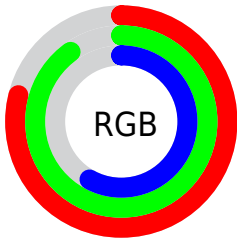
Format	Color
RYB	149, 229, 176
Decimal	13297045
CIELab	87.37, -21.93, 36.15
CIELCh	87, 42.279, 121.248
Yxy	70.7651, 0.3449, 0.4222
Android (android.graphics.Color)	4291487125 (0xFFCAE595)
YUV	211.8070, -30.9639, -8.6007
Hunter-Lab	84.1220, -24.5479, 31.3721

Details

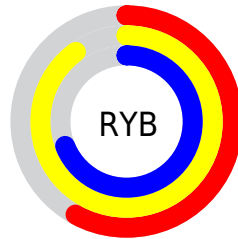
The Yxy color **70.7651, 0.3449, 0.4222** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **36.3673, 0.2707, 0.2301**, and the grayscale version is **65.9134, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.1396, 0.3430, 0.3790**, and **36.9533, 0.3510, 0.4453** is the 20% darker color. If you saturate the color by 10%, you get **69.0579, 0.3528, 0.4501**, and if you desaturate by 10%, it is **72.6761, 0.3361, 0.3942**.

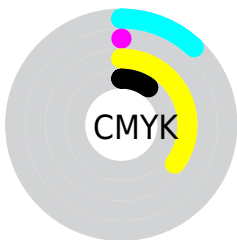
Distribution



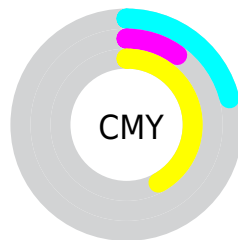
- Red (79%)
- Green (90%)
- Blue (58%)



- Red (58%)
- Yellow (90%)
- Blue (69%)



- Cyan (12%)
- Magenta (0%)
- Yellow (35%)
- Black (10%)





- Cyan (21%)
- Magenta (10%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.7651, 0.3449, 0.4222 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 70.7651, 0.3449, 0.4222 by changing the saturation by 10% instead.


 70.7651, 0.3449,
0.4222

 70.7651, 0.3449,
0.4222


463.2319, 0.3312,
0.3775

 52.1505, 0.3476,
0.4327


 120.2992, 0.3405,
0.4064

 37.1251, 0.3507,
0.4457


 151.9875, 0.3386,
0.4004

 25.3043, 0.3542,
0.4623


188.8025, 0.3370,
0.3952

 16.3039, 0.3579,
0.4841

231.1286, 0.3356,
0.3907

 9.7395, 0.3614,
0.5135

279.3502, 0.3343,
0.3868

 5.2266, 0.3629,
0.5551

333.8517, 0.3332,

 2.3808, 0.3665,

0.3833

395.0174, 0.3321,
0.3802

0.6335

0.8160, 0.2274,
0.7726

0.0000, 0.0000,
0.0000

70.7651, 0.3449,
0.4222

70.7651, 0.3449,
0.4222

69.0579, 0.3528,
0.4501

72.6761, 0.3361,
0.3942

67.5359, 0.3592,
0.4768


74.7902, 0.3268,
0.3670

66.1920, 0.3636,
0.5010


77.1183, 0.3173,
0.3411


65.0150, 0.3657,
0.5214

79.6680, 0.3081,
0.3171


 63.9918, 0.3653,
0.5372

 81.8882, 0.3043,
0.3031

 63.1064, 0.3625,
0.5479

 83.2715, 0.3094,
0.3035

 62.6987, 0.3605,
0.5520

 84.5161, 0.3139,
0.3039

Harmonies

Analogous

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



70.7651, 0.3891, 0.4119



70.7651, 0.3449, 0.4222



70.7651, 0.2942, 0.4017

Triad

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



70.7651, 0.3449, 0.4222



70.7651, 0.2206, 0.2670



70.7651, 0.3758, 0.3013

Complementary

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



70.7651, 0.3449, 0.4222



36.3673, 0.2707, 0.2301

Split Complementary

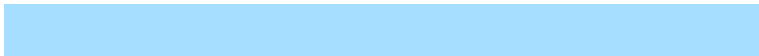
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.7651, 0.3253, 0.2693



70.7651, 0.3449, 0.4222



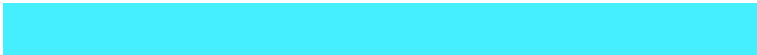
70.7651, 0.2380, 0.2489

Square

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



70.7651, 0.3449, 0.4222



70.7651, 0.2248, 0.3049



70.7651, 0.2750, 0.2505



70.7651, 0.4092, 0.3407

Rectangle

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



70.7651, 0.3449, 0.4222



70.7651, 0.2637, 0.3728



70.7651, 0.2750, 0.2505



70.7651, 0.3600, 0.2895

Sweetspot

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



70.7682, 0.3449, 0.4222



96.8724, 0.3222, 0.3541



49.7408, 0.3850, 0.3600



20.6455, 0.3235, 0.3578



0.0000, 0.0000, 0.0000



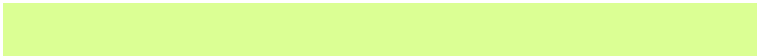
21.4041, 0.3127, 0.3290

Same Dimension

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



70.7682, 0.3449, 0.4222



88.7038, 0.3508, 0.4427



65.9198, 0.3165, 0.4311



16.5614, 0.3216, 0.3526



35.9183, 0.3613, 0.5513



2.7047, 0.3699, 0.5445

Inverse Universe

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



36.3673, 0.2707, 0.2301



38.5554, 0.2595, 0.2068



41.6925, 0.3049, 0.2394



14.1218, 0.3033, 0.3051



4.1989, 0.1752, 0.0739



0.3598, 0.1913, 0.0827

Previews

White Background



This preview shows how the Yxy color 70.7651, 0.3449, 0.4222 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 70.7651, 0.3449, 0.4222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

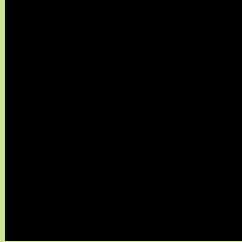
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.7651, 0.3449, 0.4222

Background



This preview shows how black text looks on a background with the Yxy color 70.7651, 0.3449, 0.4222.



This preview shows how white text looks on a background with the Yxy color 70.7651, 0.3449, 0.4222.

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

70.7651, 0.3449, 0.4222

Protanopia

70.1917, 0.3781, 0.4076

Deuteranopia

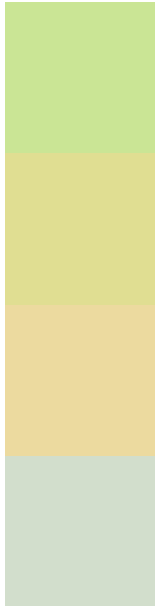
70.5289, 0.3815, 0.3777



Tritanopia

70.4951, 0.2982, 0.3094

Trichromacy



Original Color

70.7651, 0.3449, 0.4222

Protanomaly

70.1652, 0.3657, 0.4135

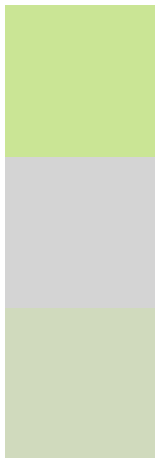
Deuteranomaly

70.4789, 0.3676, 0.3930

Tritanomaly

70.3038, 0.3160, 0.3493

Monochromacy



Original Color

70.7651, 0.3449, 0.4222

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

67.2268, 0.3250, 0.3625

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.7651, 0.3449, 0.4222 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(202, 229, 149)` looks like.

```
.text, #text, p{  
    color:rgb(202, 229, 149)  
}
```

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(202, 229, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 229, 149) }
```

Border

The CSS property to change the border of an element to Yxy 70.7651, 0.3449, 0.4222 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(202, 229, 149) }
```

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

```
.border{ border-color:rgb(202, 229, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 229, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 229, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 229, 149);  
box-shadow:4px 4px 4px 4px rgb(202, 229,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 70.7651, 0.3449, 0.4222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 229, 149) }
```

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

```
.background{ background-color: rgb(202,  
229, 149) }
```

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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