

Converting Colors

$Yxy(76.6954, 0.3375, 0.4015)$

Have a look what the booklet for
Yxy(76.6954, 0.3375, 0.4015)
contains.

Yxy(76.3540, 0.3372, 0.4009)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(76.3540, 0.3372, 0.4009)

Conversions

Conversions Part 1

Format	Color
Hex	D4EBAB
RGB	212, 235, 171
RGB Percent	83%, 92%, 67%
CMY	0.1684, 0.0785, 0.3294
CMYK	0.10, 0.00, 0.27, 0.08
HSL	82°, 62%, 80%
HSV	82°, 27%, 92%
XYZ	64.2219, 76.3540, 49.8806
YIQ	220.8270, 6.8360, -24.7800

Conversions

Conversions Part 2

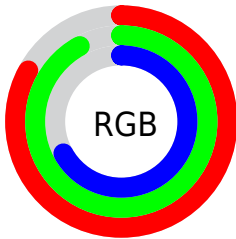
Format	Color
RYB	171, 235, 194
Decimal	13953963
CIELab	90.02, -18.25, 28.62
CIELCh	90, 33.943, 122.518
Yxy	76.3540, 0.3372, 0.4009
Android (android.graphics.Color)	4292144043 (0xFFD4EBAB)
YUV	220.8270, -24.5647, -7.7413
Hunter-Lab	87.3808, -21.7249, 27.3214

Details

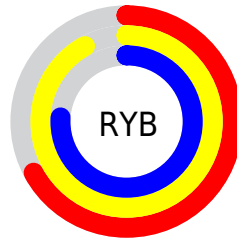
The Yxy color **76.3540, 0.3372, 0.4009** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **46.5851, 0.2827, 0.2542**, and the grayscale version is **72.3584, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3261, 0.3292, 0.3562**, and **40.7163, 0.3423, 0.4187** is the 20% darker color. If you saturate the color by 10%, you get **74.3196, 0.3455, 0.4293**, and if you desaturate by 10%, it is **78.6197, 0.3283, 0.3732**.

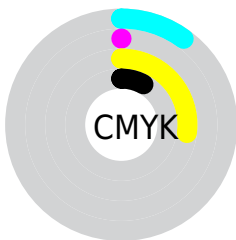
Distribution



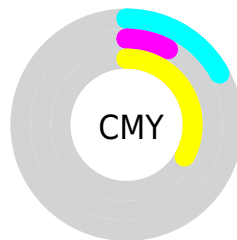
- Red (83%)
- Green (92%)
- Blue (67%)



- Red (67%)
- Yellow (92%)
- Blue (76%)



- Cyan (10%)
- Magenta (0%)
- Yellow (27%)
- Black (8%)





- Cyan (17%)
- Magenta (8%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.3540, 0.3372, 0.4009 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 76.3540, 0.3372, 0.4009 by changing the saturation by 10% instead.

 76.3540, 0.3372,
0.4009

 76.3540, 0.3372,
0.4009

482.5586, 0.3267,
0.3669

 56.7228, 0.3394,
0.4088


 128.2272, 0.3337,
0.3890

 40.7828, 0.3419,
0.4185


161.2380, 0.3323,
0.3844

 28.1494, 0.3449,
0.4310


199.4775, 0.3311,
0.3805

 18.4383, 0.3485,
0.4473

243.3300, 0.3300,
0.3771

 11.2651, 0.3525,
0.4694

293.1800, 0.3290,
0.3741

 6.2454, 0.3565,
0.5010

349.4118, 0.3282,

 2.9949, 0.3647,

0.3714

0.5583

412.4099, 0.3274,
0.3691

■ 1.1291, 0.3505,
0.6495

■ 0.0026, 0.0000,
1.0000

■ 76.3540, 0.3372,
0.4009

■ 76.3540, 0.3372,
0.4009

■ 74.3196, 0.3455,
0.4293

■ 78.6197, 0.3283,
0.3732

■ 72.4971, 0.3527,
0.4573


■ 81.1155, 0.3192,
0.3469

■ 70.8795, 0.3583,
0.4840

■ 83.8529, 0.3102,
0.3224

■ 69.4556, 0.3619,
0.5078

■ 86.1790, 0.3075,
0.3094


 68.2128, 0.3630,
0.5277

 87.7348, 0.3131,
0.3097

 67.1364, 0.3617,
0.5427

 87.8918, 0.3136,
0.3097

 66.2075, 0.3580,
0.5526

 65.9683, 0.3568,
0.5549

Harmonies

Analogous

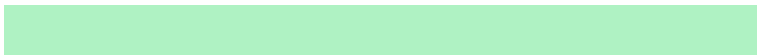
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.3540, 0.3721, 0.3953



76.3540, 0.3372, 0.4009



76.3540, 0.2972, 0.3836

Triad

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



76.3540, 0.3372, 0.4009



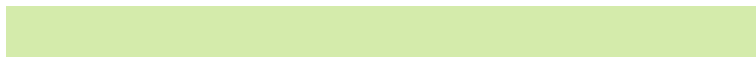
76.3540, 0.2394, 0.2796



76.3540, 0.3636, 0.3086

Complementary

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



76.3540, 0.3372, 0.4009



46.5851, 0.2827, 0.2542

Split Complementary

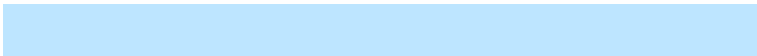
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.3540, 0.3247, 0.2821



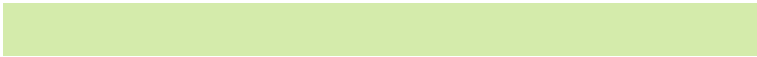
76.3540, 0.3372, 0.4009



76.3540, 0.2543, 0.2650

Square

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



76.3540, 0.3372, 0.4009



76.3540, 0.2423, 0.3095



76.3540, 0.2848, 0.2664



76.3540, 0.3886, 0.3407

Rectangle

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



76.3540, 0.3372, 0.4009



76.3540, 0.2730, 0.3614



76.3540, 0.2848, 0.2664



76.3540, 0.3515, 0.2989

Sweetspot

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



76.3574, 0.3372, 0.4009



97.3945, 0.3200, 0.3490



58.9171, 0.3652, 0.3541



20.7461, 0.3213, 0.3529



0.0000, 0.0000, 0.0000



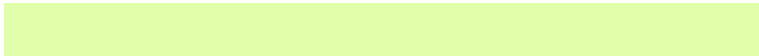
21.4041, 0.3127, 0.3290

Same Dimension

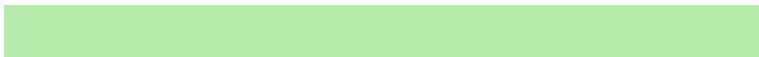
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.3574, 0.3372, 0.4009



90.4359, 0.3422, 0.4176



72.1276, 0.3153, 0.4060



17.3413, 0.3213, 0.3527



36.7917, 0.3578, 0.5541



2.9428, 0.3664, 0.5473

Inverse Universe

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



46.5851, 0.2827, 0.2542



48.7085, 0.2746, 0.2360



51.1948, 0.3080, 0.2596



14.8116, 0.3036, 0.3050



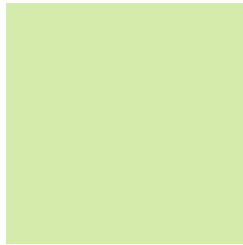
4.4585, 0.1782, 0.0755



0.4025, 0.1935, 0.0840

Previews

White Background



This preview shows how the Yxy color 76.3540, 0.3372, 0.4009 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 76.3540, 0.3372, 0.4009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

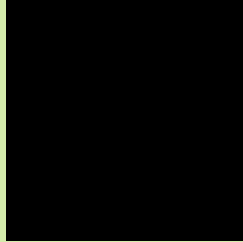
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.3540, 0.3372, 0.4009

Background



This preview shows how black text looks on a background with the Yxy color 76.3540, 0.3372, 0.4009.

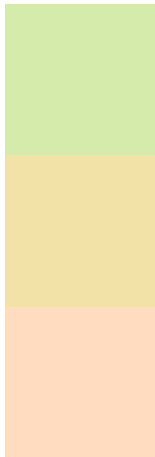


This preview shows how white text looks on a background with the Yxy color 76.3540, 0.3372, 0.4009.

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

76.3540, 0.3372, 0.4009

Protanopia

76.2374, 0.3650, 0.3912

Deuteranopia

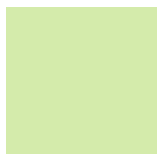
76.2080, 0.3589, 0.3587



Tritanopia

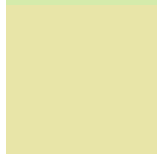
76.3934, 0.2993, 0.3111

Trichromacy



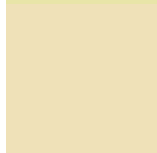
Original Color

76.3540, 0.3372, 0.4009



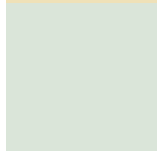
Protanomaly

76.0216, 0.3551, 0.3949



Deuteranomaly

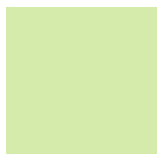
75.6618, 0.3505, 0.3727



Tritanomaly

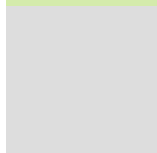
75.9538, 0.3128, 0.3420

Monochromacy



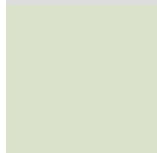
Original Color

76.3540, 0.3372, 0.4009



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

73.6099, 0.3221, 0.3544

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.3540, 0.3372, 0.4009 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(212, 235, 171)` looks like.

```
.text, #text, p{  
    color:rgb(212, 235, 171)  
}
```

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(212, 235, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 235, 171) }
```

Border

The CSS property to change the border of an element to Yxy 76.3540, 0.3372, 0.4009 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(212, 235, 171) }
```

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

```
.border{ border-color:rgb(212, 235, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 235, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 235, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 235, 171);  
box-shadow:4px 4px 4px 4px rgb(212, 235,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 76.3540, 0.3372, 0.4009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 235, 171) }
```

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

```
.background{ background-color: rgb(212,  
235, 171) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor