

# Converting Colors

$Yxy(75.8424, 0.3386, 0.3993)$

Have a look what the booklet for  
Yxy(75.8424, 0.3386, 0.3993)  
contains.

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# Color

**Yxy(76.0821, 0.3388, 0.3996)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6EAAB
RGB	214, 234, 171
RGB Percent	84%, 92%, 67%
CMY	0.1607, 0.0823, 0.3295
CMYK	0.09, 0.00, 0.27, 0.08
HSL	79°, 60%, 79%
HSV	79°, 27%, 92%
XYZ	64.5060, 76.0821, 49.8075
YIQ	220.8380, 8.3030, -23.8330

# Conversions

## Conversions Part 2

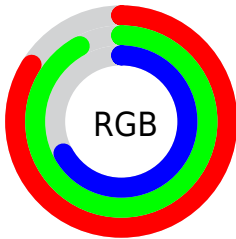
Format	Color
<a href="#">RYB</a>	<a href="#">171, 234, 191</a>
Decimal	<a href="#">14084779</a>
CIELab	<a href="#">89.90, -17.06, 28.48</a>
CIElCh	<a href="#">90, 33.197, 120.918</a>
Yxy	<a href="#">76.0821, 0.3388, 0.3996</a>
Android (android.graphics.Color)	<a href="#">4292274859</a> ( <a href="#">0xFFD6EAAB</a> )
YUV	<a href="#">220.8380, -24.5701, -5.9969</a>
Hunter-Lab	<a href="#">87.2251, -20.6367, 27.2016</a>

# Details

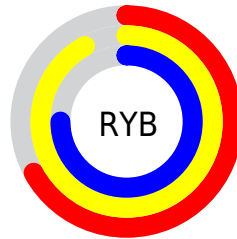
The Yxy color **76.0821, 0.3388, 0.3996** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **46.1372, 0.2810, 0.2548**, and the grayscale version is **72.3603, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3261, 0.3292, 0.3562**, and **40.5197, 0.3445, 0.4169** is the 20% darker color. If you saturate the color by 10%, you get **74.1787, 0.3478, 0.4275**, and if you desaturate by 10%, it is **78.2011, 0.3292, 0.3723**.

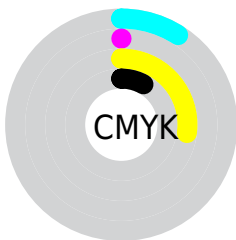
# Distribution



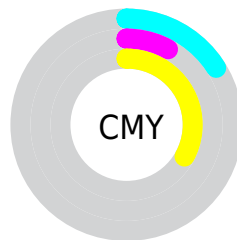
- Red (84%)
- Green (92%)
- Blue (67%)



- Red (67%)
- Yellow (92%)
- Blue (75%)



- Cyan (9%)
- Magenta (0%)
- Yellow (27%)
- Black (8%)




- Cyan (16%)
- Magenta (8%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.0821, 0.3388, 0.3996 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 76.0821, 0.3388, 0.3996 by changing the saturation by 10% instead.




 76.0821, 0.3388,  
0.3996

 76.0821, 0.3388,  
0.3996

481.6287, 0.3275,  
0.3663

 56.4998, 0.3412,  
0.4073


 127.8430, 0.3350,  
0.3879

 40.6038, 0.3440,  
0.4169


160.7903, 0.3335,  
0.3834

 28.0096, 0.3473,  
0.4290


198.9615, 0.3322,  
0.3796

 18.3329, 0.3512,  
0.4450

242.7409, 0.3310,  
0.3762

 11.1893, 0.3558,  
0.4666

292.5130, 0.3300,  
0.3733

 6.1943, 0.3607,  
0.4973


348.6620, 0.3291,

 2.9636, 0.3705,


0.3707


0.5534


411.5725, 0.3282,  
0.3684


 1.1127, 0.3597,  
0.6403


 0.0000, 0.0000,  
0.0000

 76.0821, 0.3388,  
0.3996


 76.0821, 0.3388,  
0.3996


 74.1787, 0.3478,  
0.4275


 78.2011, 0.3292,  
0.3723

 72.4719, 0.3558,  
0.4550

 80.5340, 0.3194,  
0.3461

 70.9552, 0.3622,  
0.4810


 83.0920, 0.3098,  
0.3217

 69.6179, 0.3665,  
0.5041


 85.2493, 0.3062,  
0.3083


 68.4477, 0.3685,  
0.5233

 86.6023, 0.3111,  
0.3086

 67.4306, 0.3678,  
0.5377

 87.3280, 0.3137,  
0.3088

 66.5486, 0.3648,  
0.5471

 66.2961, 0.3636,  
0.5495

# Harmonies

## Analogous

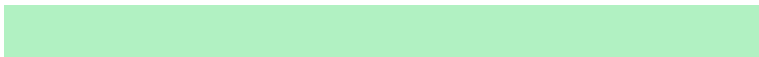
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.0821, 0.3724, 0.3932



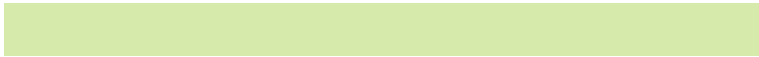
76.0821, 0.3388, 0.3996



76.0821, 0.2996, 0.3838

# Triad

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



76.0821, 0.3388, 0.3996



76.0821, 0.2405, 0.2819



76.0821, 0.3607, 0.3074

# Complementary

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



76.0821, 0.3388, 0.3996



46.1372, 0.2810, 0.2548

# Split Complementary

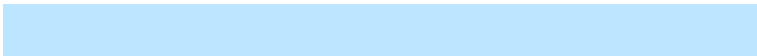
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.0821, 0.3224, 0.2819



76.0821, 0.3388, 0.3996



76.0821, 0.2543, 0.2666

# Square

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



76.0821, 0.3388, 0.3996



76.0821, 0.2443, 0.3118



76.0821, 0.2835, 0.2672

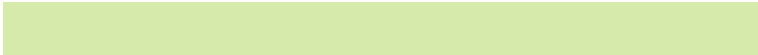


76.0821, 0.3862, 0.3389



# Rectangle

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



76.0821, 0.3388, 0.3996



76.0821, 0.2756, 0.3626



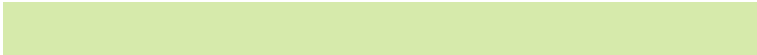
76.0821, 0.2835, 0.2672



76.0821, 0.3488, 0.2980

# Sweetspot

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



76.0854, 0.3388, 0.3996



97.5480, 0.3205, 0.3490



57.6704, 0.3651, 0.3515



20.7848, 0.3220, 0.3528



0.0000, 0.0000, 0.0000

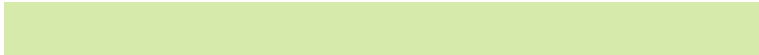


21.4041, 0.3127, 0.3290

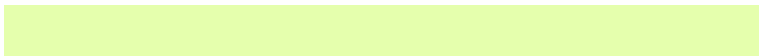


# Same Dimension

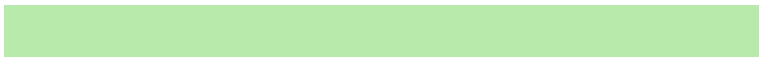
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.0854, 0.3388, 0.3996



91.2284, 0.3436, 0.4142



71.7992, 0.3167, 0.4047



17.3735, 0.3219, 0.3526



37.3235, 0.3645, 0.5488



2.9818, 0.3722, 0.5426



# Inverse Universe

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



46.1372, 0.2810, 0.2548



49.4429, 0.2735, 0.2385



50.6638, 0.3063, 0.2601



14.7808, 0.3029, 0.3050



4.2214, 0.1725, 0.0724

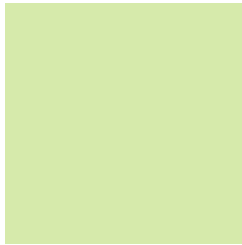


0.3812, 0.1874, 0.0806



# Previews

## White Background



This preview shows how the Yxy color 76.0821, 0.3388, 0.3996 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 76.0821, 0.3388, 0.3996 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

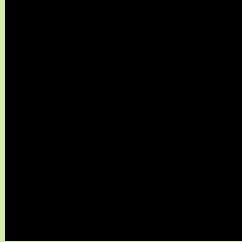
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

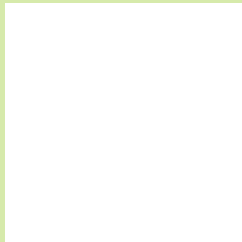
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.0821, 0.3388, 0.3996**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.0821, 0.3388, 0.3996.

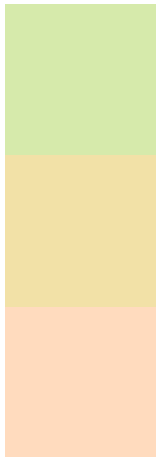


This preview shows how white text looks on a background with the Yxy color 76.0821, 0.3388, 0.3996.

# 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

76.0821, 0.3388, 0.3996

### Protanopia

75.5177, 0.3645, 0.3904

### Deuteranopia

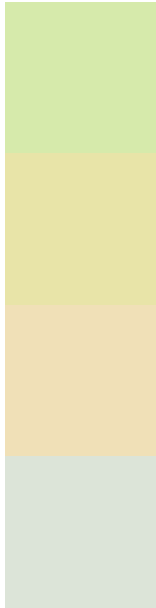
75.6407, 0.3599, 0.3588



## Tritanopia

76.1085, 0.3013, 0.3111

# Trichromacy



**Original Color**

76.0821, 0.3388, 0.3996

**Protanomaly**

75.4698, 0.3554, 0.3939

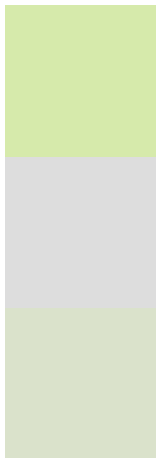
**Deuteranomaly**

75.2555, 0.3522, 0.3726

**Tritanomaly**

75.6603, 0.3149, 0.3420

# Monochromacy



**Original Color**

76.0821, 0.3388, 0.3996

**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 76.0821, 0.3388, 0.3996 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(214, 234, 171)` looks like.

```
.text, #text, p{  
    color:rgb(214, 234, 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(214, 234, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 234, 171) }
```

## Border

The CSS property to change the border of an element to Yxy 76.0821, 0.3388, 0.3996 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(214, 234, 171) }
```

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

```
.border{ border-color:rgb(214, 234, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 234, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 234, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 234, 171);  
box-shadow:4px 4px 4px 4px rgb(214, 234,  
171) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.0821, 0.3388, 0.3996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 234, 171) }
```

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

```
.background{ background-color: rgb(214,  
234, 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](#).

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