

# Converting Colors

$Yxy(77.1639, 0.3411, 0.3968)$

Have a look what the booklet for  
Yxy(77.1639, 0.3411, 0.3968)  
contains.

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# Color

**Yxy(76.9228, 0.3411, 0.3965)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBEAAD
RGB	219, 234, 173
RGB Percent	86%, 92%, 68%
CMY	0.1413, 0.0823, 0.3215
CMYK	0.06, 0.00, 0.26, 0.08
HSL	75°, 59%, 80%
HSV	75°, 26%, 92%
XYZ	66.1749, 76.9228, 50.9068
YIQ	222.5610, 10.6410, -22.1510

# Conversions

## Conversions Part 2

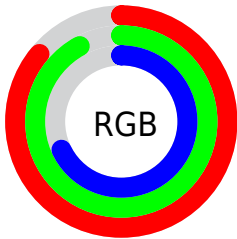
<b>Format</b>	<b>Color</b>
<b>RYB</b>	173, 234, 188
Decimal	14412461
CIELab	90.29, -14.98, 28.02
CIELCh	90, 31.775, 118.118
Yxy	76.9228, 0.3411, 0.3965
Android (android.graphics.Color)	4292602541 (0xFFDBEAAD)
YUV	222.5610, -24.4336, -3.1230
Hunter-Lab	87.7056, -18.8045, 26.9804

# Details

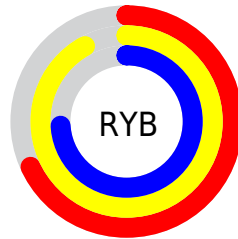
The Yxy color **76.9228, 0.3411, 0.3965** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **46.5374, 0.2789, 0.2567**, and the grayscale version is **73.6355, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.4371, 0.3280, 0.3542**, and **40.9834, 0.3467, 0.4129** is the 20% darker color. If you saturate the color by 10%, you get **75.2186, 0.3515, 0.4237**, and if you desaturate by 10%, it is **78.8235, 0.3302, 0.3697**.

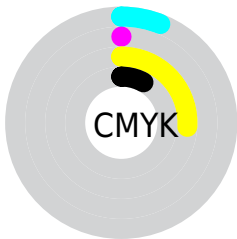
# Distribution



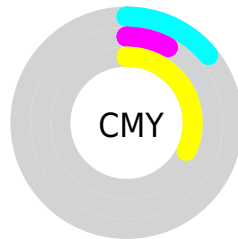
- Red (86%)
- Green (92%)
- Blue (68%)



- Red (68%)
- Yellow (92%)
- Blue (74%)



- Cyan (6%)
- Magenta (0%)
- Yellow (26%)
- Black (8%)




- Cyan (14%)
- Magenta (8%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.9228, 0.3411, 0.3965 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 76.9228, 0.3411, 0.3965 by changing the saturation by 10% instead.





 76.9228, 0.3411,  
0.3965

 76.9228, 0.3411,  
0.3965

484.5008, 0.3287,  
0.3648

 57.1895, 0.3437,  
0.4038


 129.0305, 0.3369,  
0.3855

 41.1574, 0.3469,  
0.4128

162.1737, 0.3353,  
0.3812

 28.4421, 0.3506,  
0.4243


200.5557, 0.3338,  
0.3775

 18.6592, 0.3552,  
0.4392

244.5608, 0.3326,  
0.3743

 11.4243, 0.3607,  
0.4594

294.5735, 0.3314,  
0.3715

 6.3530, 0.3670,  
0.4879


350.9781, 0.3304,


 3.0609, 0.3775,


0.3690


0.5372


414.1591, 0.3295,  
0.3668


 1.1636, 0.3812,  
0.6188


 0.0317, 0.0000,  
1.0000


 76.9228, 0.3411,  
0.3965


 76.9228, 0.3411,  
0.3965


 75.2186, 0.3515,  
0.4237


 78.8235, 0.3302,  
0.3697


 73.6922, 0.3608,  
0.4502

 80.9184, 0.3193,  
0.3439

 72.3375, 0.3687,  
0.4751

 83.2184, 0.3085,  
0.3196

 71.1443, 0.3744,  
0.4971

 84.9588, 0.3051,  
0.3082

■ 70.1009, 0.3778,  
0.5152

■ 85.9963, 0.3089,  
0.3085

■ 69.1939, 0.3785,  
0.5286

■ 87.0663, 0.3127,  
0.3087

■ 68.4065, 0.3768,  
0.5373

■ 87.3320, 0.3137,  
0.3088

■ 68.1185, 0.3757,  
0.5399

# Harmonies

## Analogous

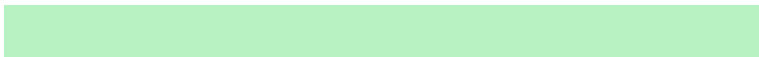
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.9228, 0.3721, 0.3888



76.9228, 0.3411, 0.3965



76.9228, 0.3037, 0.3834

# Triad

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



76.9228, 0.3411, 0.3965



76.9228, 0.2432, 0.2862



76.9228, 0.3554, 0.3058

# Complementary

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



76.9228, 0.3411, 0.3965



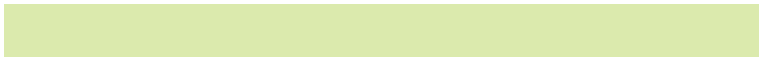
46.5374, 0.2789, 0.2567

# Split Complementary

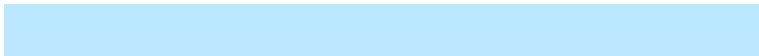
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.9228, 0.3184, 0.2821



76.9228, 0.3411, 0.3965



76.9228, 0.2549, 0.2701

# Square

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



76.9228, 0.3411, 0.3965



76.9228, 0.2485, 0.3160



76.9228, 0.2817, 0.2691



76.9228, 0.3813, 0.3357



# Rectangle

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



76.9228, 0.3411, 0.3965



76.9228, 0.2803, 0.3642



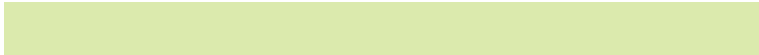
76.9228, 0.2817, 0.2691



76.9228, 0.3437, 0.2970

# Sweetspot

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



76.9262, 0.3411, 0.3965



97.8135, 0.3214, 0.3489



56.1616, 0.3644, 0.3451



20.8520, 0.3231, 0.3528



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

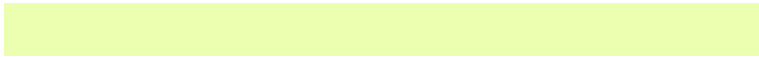


# Same Dimension

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



76.9262, 0.3411, 0.3965



92.4015, 0.3465, 0.4103



72.7259, 0.3201, 0.4012



17.4291, 0.3230, 0.3525



38.3366, 0.3764, 0.5393



3.0547, 0.3826, 0.5344



# Inverse Universe

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



46.5374, 0.2789, 0.2567



49.9120, 0.2709, 0.2407



50.7047, 0.3024, 0.2615



14.7283, 0.3018, 0.3049



3.8880, 0.1643, 0.0679

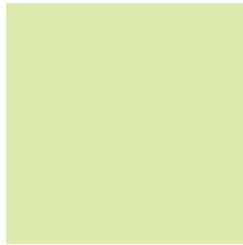


0.3493, 0.1779, 0.0754



# Previews

## White Background



This preview shows how the Yxy color 76.9228, 0.3411, 0.3965 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

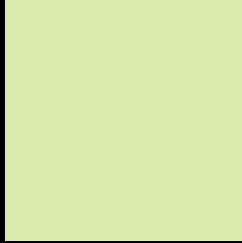
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.9228, 0.3411, 0.3965 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

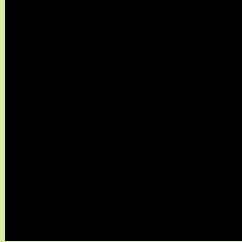
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

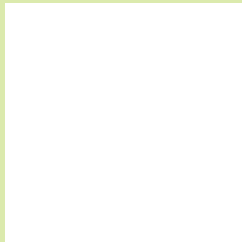
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.9228, 0.3411, 0.3965**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.9228, 0.3411, 0.3965.



This preview shows how white text looks on a background with the Yxy color 76.9228, 0.3411, 0.3965.

# 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**

76.9228, 0.3411, 0.3965

**Protanopia**

76.8951, 0.3626, 0.3890

**Deuteranopia**

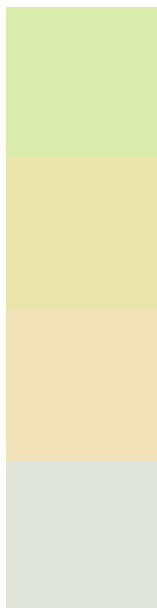
76.8232, 0.3572, 0.3577



## Tritanopia

76.8155, 0.3033, 0.3103

# Trichromacy



## Original Color

76.9228, 0.3411, 0.3965

## Protanomaly

77.0263, 0.3544, 0.3923

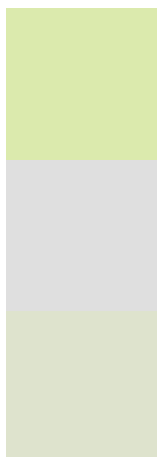
## Deuteranomaly

76.8151, 0.3512, 0.3712

## Tritanomaly

76.5563, 0.3171, 0.3397

# Monochromacy



## Original Color

76.9228, 0.3411, 0.3965

## Achromatopsia

73.7910, 0.3127, 0.3290

## Achromatomaly

74.8755, 0.3235, 0.3530

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.9228, 0.3411, 0.3965 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(219, 234, 173)` looks like.

```
.text, #text, p{  
    color:rgb(219, 234, 173)  
}
```

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(219, 234, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 234, 173) }
```

## Border

The CSS property to change the border of an element to Yxy 76.9228, 0.3411, 0.3965 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(219, 234, 173) }
```

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

```
.border{ border-color:rgb(219, 234, 173) }
```

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

Here you see how a box with a 4 pixel rgb(219, 234, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 234, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 234, 173);  
box-shadow:4px 4px 4px 4px rgb(219, 234,  
173) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.9228, 0.3411, 0.3965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 234, 173) }
```

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

```
.background{ background-color: rgb(219,  
234, 173) }
```

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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