

# Converting Colors

$Yxy(76.3317, 0.3231, 0.3573)$

Have a look what the booklet for  
Yxy(76.3317, 0.3231, 0.3573)  
contains.

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# Color

**Yxy(76.3254, 0.3232, 0.3574)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DDE6CC
RGB	221, 230, 204
RGB Percent	87%, 90%, 80%
CMY	0.1332, 0.0981, 0.2001
CMYK	0.04, 0.00, 0.11, 0.10
HSL	81°, 34%, 85%
HSV	81°, 11%, 90%
XYZ	69.0217, 76.3254, 68.2102
YIQ	224.3450, 2.9820, -9.9940

# Conversions

## Conversions Part 2

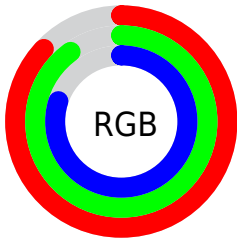
Format	Color
R <sub>Y</sub> B	204, 230, 213
Decimal	14542540
CIE Lab	90.01, -7.52, 11.65
CIE LCh	90, 13.863, 122.852
Yxy	76.3254, 0.3232, 0.3574
Android (android.graphics.Color)	4292732620 (0xFFDDE6CC)
YUV	224.3450, -10.0301, -2.9336
Hunter-Lab	87.3644, -11.8648, 14.8641

# Details

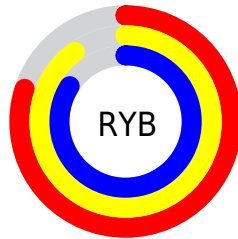
The Yxy color **76.3254, 0.3232, 0.3574** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **63.0285, 0.3014, 0.3001**, and the grayscale version is **74.8775, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.9689, 0.3254, 0.3646** is the 20% darker color. If you saturate the color by 10%, you get **74.0912, 0.3325, 0.3842**, and if you desaturate by 10%, it is **78.7879, 0.3139, 0.3322**.

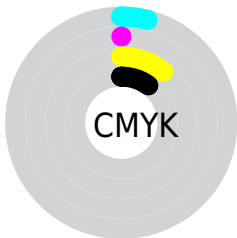
# Distribution



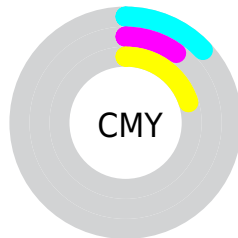
- Red (87%)
- Green (90%)
- Blue (80%)



- Red (80%)
- Yellow (90%)
- Blue (84%)



- Cyan (4%)
- Magenta (0%)
- Yellow (11%)
- Black (10%)




- Cyan (13%)
- Magenta (10%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.3254, 0.3232, 0.3574 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 76.3254, 0.3232, 0.3574 by changing the saturation by 10% instead.




 76.3254, 0.3232,  
0.3574

 76.3254, 0.3232,  
0.3574

482.4609, 0.3185,  
0.3442

 56.6994, 0.3242,  
0.3604

128.1868, 0.3216,  
0.3528

 40.7639, 0.3255,  
0.3642


161.1909, 0.3210,  
0.3510

 28.1347, 0.3271,  
0.3690


199.4232, 0.3204,  
0.3495

 18.4272, 0.3291,  
0.3753

243.2681, 0.3199,  
0.3481

 11.2571, 0.3318,  
0.3839

293.1098, 0.3195,  
0.3470

 6.2401, 0.3355,  
0.3964

349.3330, 0.3191,

 2.9916, 0.3408,

0.3459

412.3219, 0.3188,  
0.3450

0.4162

1.1273, 0.3641,  
0.4717

0.0011, 0.0000,  
1.0000

76.3254, 0.3232,  
0.3574

76.3254, 0.3232,  
0.3574

74.0912, 0.3325,  
0.3842

78.7879, 0.3139,  
0.3322

72.0673, 0.3414,  
0.4121

81.4761, 0.3049,  
0.3088

70.2487, 0.3495,  
0.4403

83.1875, 0.3070,  
0.3043

68.6262, 0.3564,  
0.4677

84.6410, 0.3123,  
0.3047

■ 67.1899, 0.3615,  
0.4931

■ 85.0714, 0.3138,  
0.3048

■ 65.9288, 0.3643,  
0.5152

■ 64.8301, 0.3647,  
0.5329

■ 63.8792, 0.3626,  
0.5455

■ 63.1520, 0.3592,  
0.5530

# Harmonies

## Analogous

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



76.3254, 0.3372, 0.3564



76.3254, 0.3232, 0.3574



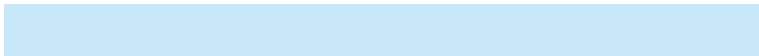
76.3254, 0.3067, 0.3502

# Triad

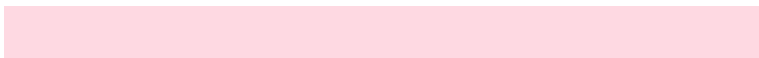
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.3254, 0.3232, 0.3574



76.3254, 0.2817, 0.3090



76.3254, 0.3336, 0.3209

# Complementary

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



76.3254, 0.3232, 0.3574



63.0285, 0.3014, 0.3001

# 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.



76.3254, 0.3182, 0.3091



76.3254, 0.3232, 0.3574



76.3254, 0.2884, 0.3021

# Square

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



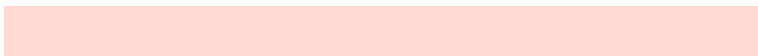
76.3254, 0.3232, 0.3574



76.3254, 0.2830, 0.3217



76.3254, 0.3017, 0.3022



76.3254, 0.3434, 0.3350



# Rectangle

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



76.3254, 0.3232, 0.3574



76.3254, 0.2964, 0.3418



76.3254, 0.3017, 0.3022



76.3254, 0.3289, 0.3166

# Sweetspot

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



76.3287, 0.3232, 0.3574



99.0209, 0.3155, 0.3364



68.5963, 0.3318, 0.3385



21.1395, 0.3162, 0.3383



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

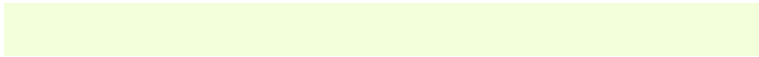


# Same Dimension

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



76.3287, 0.3232, 0.3574



95.6530, 0.3258, 0.3647



74.4066, 0.3143, 0.3582



16.5558, 0.3215, 0.3526



35.8247, 0.3601, 0.5523



2.6983, 0.3689, 0.5453



# Inverse Universe

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



63.0285, 0.3014, 0.3001



75.1274, 0.2983, 0.2925



65.0052, 0.3108, 0.3009



14.1272, 0.3034, 0.3051



4.2413, 0.1763, 0.0745

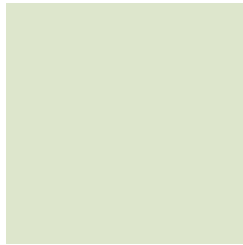


0.3634, 0.1924, 0.0833



# Previews

## White Background



This preview shows how the Yxy color 76.3254, 0.3232, 0.3574 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

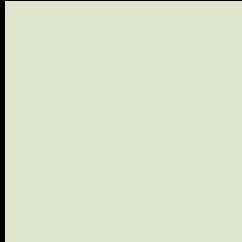
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.3254, 0.3232, 0.3574 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

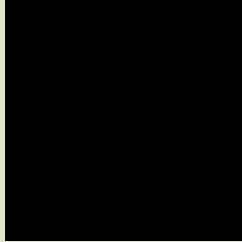
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

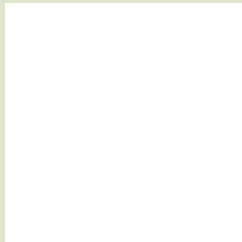
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.3254, 0.3232, 0.3574**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.3254, 0.3232, 0.3574.

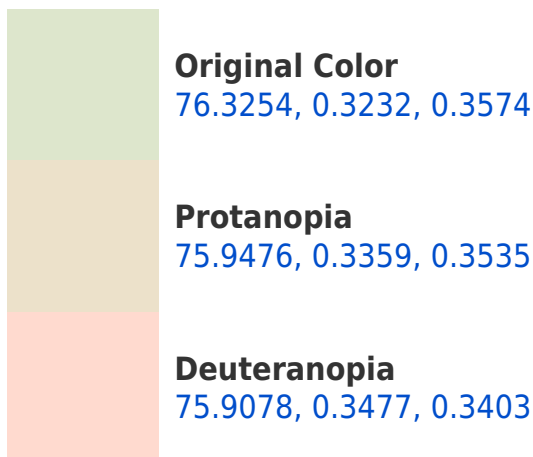


This preview shows how white text looks on a background with the Yxy color 76.3254, 0.3232, 0.3574.

# 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

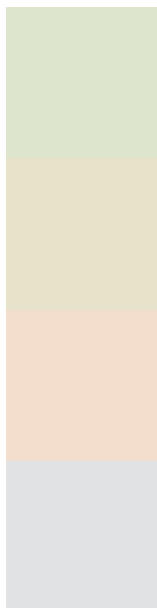




## Tritanopia

76.0530, 0.3033, 0.3102

# Trichromacy



## Original Color

76.3254, 0.3232, 0.3574

## Protanomaly

76.2389, 0.3313, 0.3548

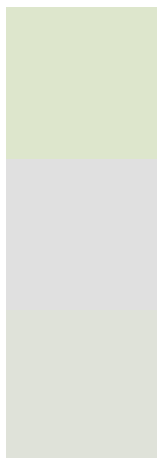
## Deuteranomaly

75.7535, 0.3388, 0.3458

## Tritanomaly

76.0017, 0.3107, 0.3269

# Monochromacy



## Original Color

76.3254, 0.3232, 0.3574

## Achromatopsia

74.5404, 0.3127, 0.3290

## Achromatomaly

75.0904, 0.3165, 0.3387

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.3254, 0.3232, 0.3574 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(221, 230, 204)` looks like.

```
.text, #text, p{  
    color:rgb(221, 230, 204)  
}
```

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(221, 230, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 230, 204) }
```

## Border

The CSS property to change the border of an element to Yxy 76.3254, 0.3232, 0.3574 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(221, 230, 204) }
```

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

```
.border{ border-color:rgb(221, 230, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 230, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 230, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 230, 204);  
box-shadow:4px 4px 4px 4px rgb(221, 230,  
204) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.3254, 0.3232, 0.3574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 230, 204) }
```

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

```
.background{ background-color: rgb(221,  
230, 204) }
```

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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