

# Converting Colors

$Yxy(70.4376, 0.3252, 0.3415)$

Have a look what the booklet for  
Yxy(70.4376, 0.3252, 0.3415)  
contains.

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# Color

**Yxy(70.4463, 0.3252, 0.3422)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E0DACE
RGB	224, 218, 206
RGB Percent	88%, 85%, 81%
CMY	0.1217, 0.1450, 0.1921
CMYK	0.00, 0.03, 0.08, 0.12
HSL	40°, 22%, 84%
HSV	40°, 8%, 88%
XYZ	66.9466, 70.4463, 68.4700
YIQ	218.4260, 7.4280, -2.4600

# Conversions

## Conversions Part 2

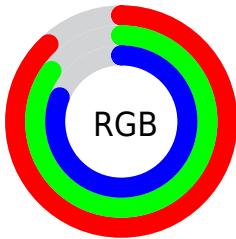
Format	Color
R <sub>Y</sub> B	215, 224, 206
Decimal	14736078
CIE Lab	87.22, -0.02, 6.61
CIE LCh	87, 6.610, 90.201
Yxy	70.4463, 0.3252, 0.3422
Android (android.graphics.Color)	4292926158 (0xFFE0DACE)
YUV	218.4260, -6.1260, 4.8884
Hunter-Lab	83.9323, -4.5052, 10.3852

# Details

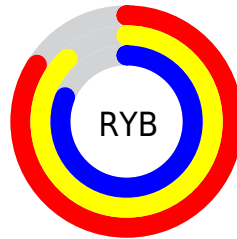
The Yxy color **70.4463, 0.3252, 0.3422** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.5769, 0.3004, 0.3154**, and the grayscale version is **70.4593, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.8964, 0.3283, 0.3448** is the 20% darker color. If you saturate the color by 10%, you get **65.6691, 0.3422, 0.3594**, and if you desaturate by 10%, it is **75.5575, 0.3098, 0.3258**.

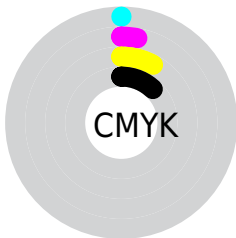
# Distribution



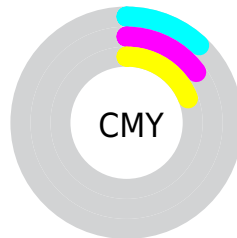
- Red (88%)
- Green (85%)
- Blue (81%)



- Red (84%)
- Yellow (88%)
- Blue (81%)



- Cyan (0%)
- Magenta (3%)
- Yellow (8%)
- Black (12%)



- Cyan (12%)
- Magenta (15%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.4463, 0.3252, 0.3422 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 70.4463, 0.3252, 0.3422 by changing the saturation by 10% instead.



■ 70.4463, 0.3252,  
0.3422

■ 70.4463, 0.3252,  
0.3422

462.1155, 0.3194,  
0.3361

■ 51.8905, 0.3265,  
0.3436

119.8450, 0.3232,  
0.3401

■ 36.9178, 0.3282,  
0.3454

151.4566, 0.3224,  
0.3392

■ 25.1438, 0.3303,  
0.3476

188.1890, 0.3217,  
0.3385

■ 16.1842, 0.3331,  
0.3505

230.4265, 0.3211,  
0.3379

■ 9.6546, 0.3369,  
0.3546

278.5535, 0.3206,  
0.3374

■ 5.1706, 0.3425,  
0.3605

332.9544, 0.3202,

■ 2.3477, 0.3514,

0.3369

0.3699

394.0136, 0.3197,  
0.3364

0.7988, 0.3861,  
0.4065

0.0000, 0.0000,  
0.0000

70.4463, 0.3252,  
0.3422

70.4463, 0.3252,  
0.3422

65.6691, 0.3422,  
0.3594

75.5575, 0.3098,  
0.3258

61.2079, 0.3608,  
0.3771

81.0019, 0.2960,  
0.3105

57.0566, 0.3808,  
0.3946

85.5618, 0.2937,  
0.3140

53.2053, 0.4017,  
0.4113

90.0339, 0.2939,  
0.3216

■ 49.6434, 0.4228,  
0.4262

■ 94.5825, 0.2940,  
0.3289

■ 46.3592, 0.4434,  
0.4381

■ 43.3398, 0.4622,  
0.4459

■ 40.5706, 0.4784,  
0.4488

■ 38.0315, 0.4915,  
0.4467

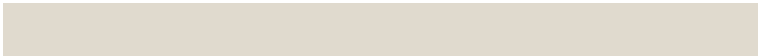
# Harmonies

## Analogous

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



70.4463, 0.3284, 0.3380



70.4463, 0.3252, 0.3422



70.4463, 0.3186, 0.3429

# Triad

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



70.4463, 0.3252, 0.3422



70.4463, 0.2983, 0.3262



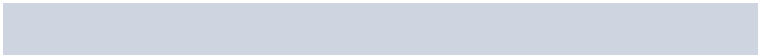
70.4463, 0.3148, 0.3187

# Complementary

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



70.4463, 0.3252, 0.3422



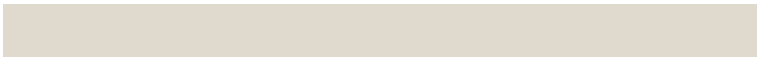
65.5769, 0.3004, 0.3154

# 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.



70.4463, 0.3067, 0.3156



70.4463, 0.3252, 0.3422



70.4463, 0.2973, 0.3198

# Square

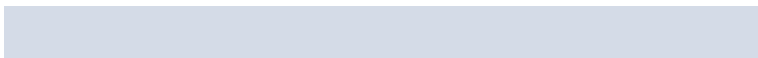
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.4463, 0.3252, 0.3422



70.4463, 0.3031, 0.3336



70.4463, 0.3003, 0.3159



70.4463, 0.3224, 0.3245



# Rectangle

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



70.4463, 0.3252, 0.3422



70.4463, 0.3133, 0.3411



70.4463, 0.3003, 0.3159



70.4463, 0.3120, 0.3173

# Sweetspot

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



70.4494, 0.3252, 0.3422



98.6011, 0.3158, 0.3323



64.7458, 0.3221, 0.3224



21.1194, 0.3156, 0.3321



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

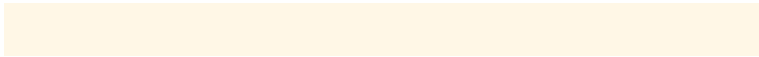


# Same Dimension

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



70.4494, 0.3252, 0.3422



93.1860, 0.3286, 0.3457



73.1209, 0.3224, 0.3487



15.2233, 0.3275, 0.3446



22.0823, 0.4925, 0.4471

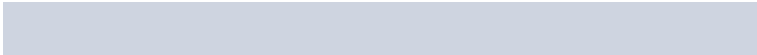


1.6928, 0.4784, 0.4583

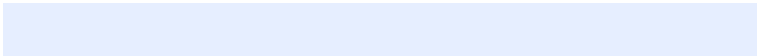


# Inverse Universe

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



65.5769, 0.3004, 0.3154



85.0859, 0.2971, 0.3118



63.0864, 0.3026, 0.3088



13.9824, 0.2981, 0.3129



6.1962, 0.1634, 0.1081

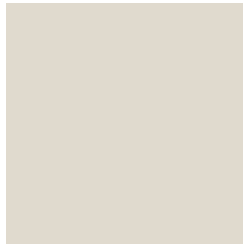


0.5899, 0.1720, 0.1391



# Previews

## White Background



This preview shows how the Yxy color 70.4463, 0.3252, 0.3422 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

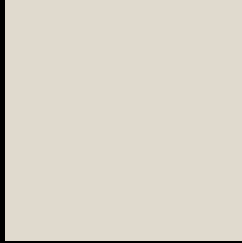
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.4463, 0.3252, 0.3422 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

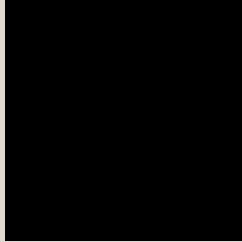
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

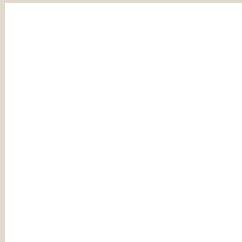
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.4463, 0.3252, 0.3422**

## Background



This preview shows how black text looks on a background with the Yxy color 70.4463, 0.3252, 0.3422.

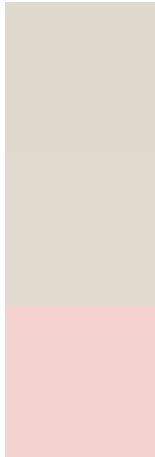


This preview shows how white text looks on a background with the Yxy color 70.4463, 0.3252, 0.3422.

# 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

70.4463, 0.3252, 0.3422

### Protanopia

70.6066, 0.3260, 0.3422

### Deuteranopia

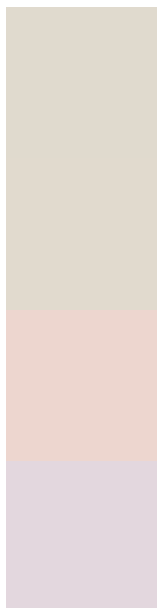
70.3266, 0.3406, 0.3333



## Tritanopia

70.3566, 0.3114, 0.3109

# Trichromacy



## Original Color

70.4463, 0.3252, 0.3422

## Protanomaly

70.6066, 0.3260, 0.3422

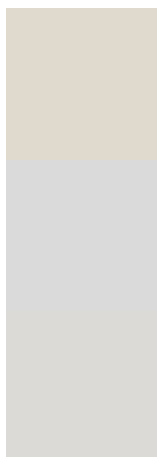
## Deuteranomaly

70.6027, 0.3348, 0.3365

## Tritanomaly

70.2057, 0.3167, 0.3215

# Monochromacy



## Original Color

70.4463, 0.3252, 0.3422

## Achromatopsia

70.1102, 0.3127, 0.3290

## Achromatomaly

70.2135, 0.3168, 0.3334

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.4463, 0.3252, 0.3422 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(224, 218, 206) looks like.

```
.text, #text, p{  
    color:rgb(224, 218, 206)  
}
```

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(224, 218, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 218, 206) }
```

## Border

The CSS property to change the border of an element to Yxy 70.4463, 0.3252, 0.3422 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(224, 218, 206) }
```

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

```
.border{ border-color:rgb(224, 218, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 218, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 218, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 218, 206);  
box-shadow:4px 4px 4px 4px rgb(224, 218,  
206) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.4463, 0.3252, 0.3422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 218, 206) }
```

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

```
.background{ background-color: rgb(224,  
218, 206) }
```

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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