

# Converting Colors

$Y_{xy}(75.3583, 0.3276, 0.3415)$

Have a look what the booklet for  
Yxy(75.3583, 0.3276, 0.3415)  
contains.

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# Color

**Yxy(75.5572, 0.3278, 0.3418)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAE0D4
RGB	234, 224, 212
RGB Percent	92%, 88%, 83%
CMY	0.0825, 0.1215, 0.1687
CMYK	0.00, 0.04, 0.09, 0.08
HSL	33°, 34%, 87%
HSV	33°, 9%, 92%
XYZ	72.4624, 75.5572, 73.0372
YIQ	225.6220, 9.8120, -1.6120

# Conversions

## Conversions Part 2

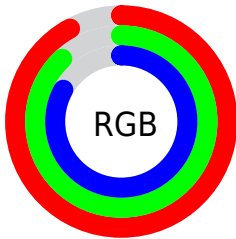
Format	Color
R <sub>Y</sub> B	230, 234, 212
Decimal	15392980
CIE Lab	89.65, 1.36, 7.09
CIE LCh	90, 7.216, 79.099
Yxy	75.5572, 0.3278, 0.3418
Android (android.graphics.Color)	4293583060 (0xFFEAE0D4)
YUV	225.6220, -6.7156, 7.3475
Hunter-Lab	86.9236, -3.3129, 11.0284

# Details

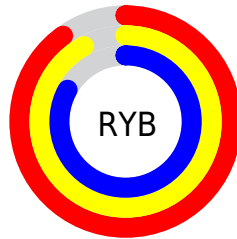
The Yxy color **75.5572, 0.3278, 0.3418** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.1427, 0.2982, 0.3159**, and the grayscale version is **75.8091, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.2752, 0.3315, 0.3456** is the 20% darker color. If you saturate the color by 10%, you get **68.9454, 0.3459, 0.3561**, and if you desaturate by 10%, it is **82.7015, 0.3118, 0.3282**.

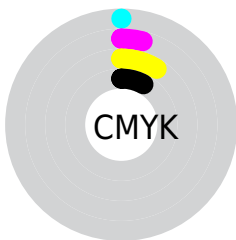
# Distribution



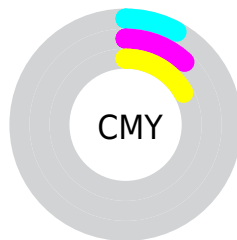
- Red (92%)
- Green (88%)
- Blue (83%)



- Red (90%)
- Yellow (92%)
- Blue (83%)



- Cyan (0%)
- Magenta (4%)
- Yellow (9%)
- Black (8%)




- Cyan (8%)
- Magenta (12%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.5572, 0.3278, 0.3418 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 75.5572, 0.3278, 0.3418 by changing the saturation by 10% instead.




 75.5572, 0.3278,  
0.3418

 75.5572, 0.3278,  
0.3418


479.8306, 0.3209,  
0.3359

 56.0695, 0.3294,  
0.3431


127.1008, 0.3254,  
0.3398

 40.2586, 0.3313,  
0.3448


159.9255, 0.3245,  
0.3390

 27.7403, 0.3338,  
0.3468


197.9646, 0.3236,  
0.3383

 18.1300, 0.3370,  
0.3495

241.6025, 0.3229,  
0.3377

 11.0433, 0.3414,  
0.3531

291.2237, 0.3223,  
0.3372

 6.0960, 0.3477,  
0.3583

347.2125, 0.3218,

 2.9035, 0.3575,

0.3367

0.3663

409.9533, 0.3213,  
0.3363

1.0816, 0.3787,  
0.3840

0.0000, 0.0000,  
0.0000

75.5572, 0.3278,  
0.3418

75.5572, 0.3278,  
0.3418

68.9454, 0.3459,  
0.3561

82.7015, 0.3118,  
0.3282

62.8425, 0.3662,  
0.3709

90.1361, 0.2999,  
0.3192

57.2373, 0.3886,  
0.3856

96.2282, 0.2999,  
0.3290

52.1146, 0.4129,  
0.3994

■ 47.4581, 0.4384,  
0.4115

■ 43.2501, 0.4640,  
0.4204

■ 39.4713, 0.4883,  
0.4250

■ 36.1001, 0.5099,  
0.4244

■ 33.1057, 0.5278,  
0.4187

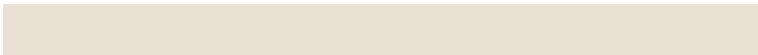
# Harmonies

## Analogous

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



75.5572, 0.3296, 0.3362



75.5572, 0.3278, 0.3418



75.5572, 0.3219, 0.3440

# Triad

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



75.5572, 0.3278, 0.3418



75.5572, 0.2988, 0.3289



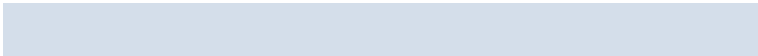
75.5572, 0.3116, 0.3164

# Complementary

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



75.5572, 0.3278, 0.3418



72.1427, 0.2982, 0.3159

# 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.



75.5572, 0.3035, 0.3144



75.5572, 0.3278, 0.3418



75.5572, 0.2961, 0.3215

# Square

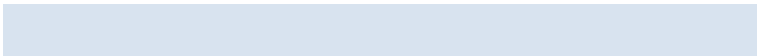
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.5572, 0.3278, 0.3418



75.5572, 0.3052, 0.3365



75.5572, 0.2978, 0.3162



75.5572, 0.3202, 0.3216



# Rectangle

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



75.5572, 0.3278, 0.3418



75.5572, 0.3165, 0.3432



75.5572, 0.2978, 0.3162



75.5572, 0.3088, 0.3153

# Sweetspot

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



75.5605, 0.3278, 0.3418



97.3270, 0.3174, 0.3330



69.8517, 0.3219, 0.3181



20.6812, 0.3186, 0.3341



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

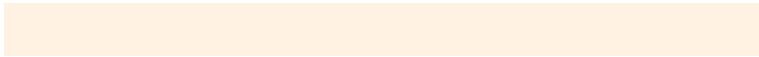


# Same Dimension

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



75.5605, 0.3278, 0.3418



90.4862, 0.3306, 0.3441



80.9483, 0.3262, 0.3521



16.4203, 0.3279, 0.3419



18.7679, 0.5267, 0.4200

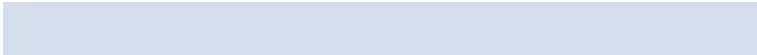


1.6656, 0.5078, 0.4350

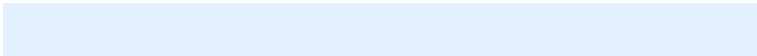


# Inverse Universe

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



72.1427, 0.2982, 0.3159



85.6572, 0.2955, 0.3134



67.1186, 0.2986, 0.3048



15.6722, 0.2980, 0.3158



9.3689, 0.1730, 0.1426

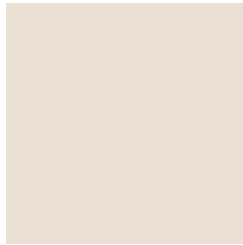


0.9256, 0.1803, 0.1691



# Previews

## White Background



This preview shows how the Yxy color 75.5572, 0.3278, 0.3418 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

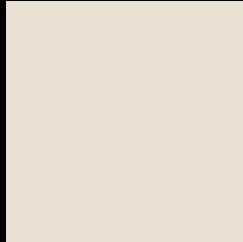
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.5572, 0.3278, 0.3418 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

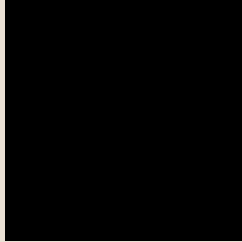
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

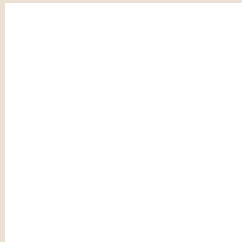
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 75.5572, 0.3278, 0.3418**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.5572, 0.3278, 0.3418.

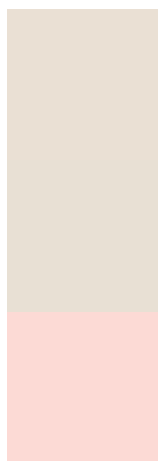


This preview shows how white text looks on a background with the Yxy color 75.5572, 0.3278, 0.3418.

# 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

75.5572, 0.3278, 0.3418

### Protanopia

75.2206, 0.3264, 0.3418

### Deuteranopia

75.6424, 0.3412, 0.3342



## Tritanopia

75.5366, 0.3136, 0.3105

# Trichromacy



**Original Color**

75.5572, 0.3278, 0.3418

**Protanomaly**

75.3884, 0.3271, 0.3418

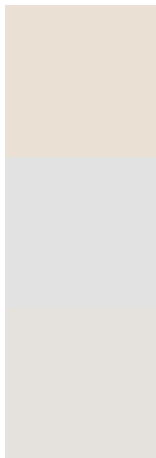
**Deuteranomaly**

75.4030, 0.3357, 0.3363

**Tritanomaly**

75.3746, 0.3188, 0.3207

# Monochromacy



**Original Color**

75.5572, 0.3278, 0.3418

**Achromatopsia**

76.0525, 0.3127, 0.3290

**Achromatomaly**

75.7289, 0.3181, 0.3333

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.5572, 0.3278, 0.3418 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(234, 224, 212)` looks like.

```
.text, #text, p{  
    color:rgb(234, 224, 212)  
}
```

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(234, 224, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 224, 212) }
```

## Border

The CSS property to change the border of an element to Yxy 75.5572, 0.3278, 0.3418 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(234, 224, 212) }
```

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

```
.border{ border-color:rgb(234, 224, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 224, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 224, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 224, 212);  
box-shadow:4px 4px 4px 4px rgb(234, 224,  
212) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.5572, 0.3278, 0.3418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 224, 212) }
```

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

```
.background{ background-color: rgb(234,  
224, 212) }
```

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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