

# Converting Colors

$Y_{xy}(76.5822, 0.3215, 0.3332)$

Have a look what the booklet for  
Yxy(76.5822, 0.3215, 0.3332)  
contains.

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# Color

**Yxy(76.5633, 0.3217, 0.3332)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAE1DD
RGB	234, 225, 221
RGB Percent	92%, 88%, 87%
CMY	0.0822, 0.1177, 0.1333
CMYK	0.00, 0.04, 0.06, 0.08
HSL	18°, 24%, 89%
HSV	18°, 6%, 92%
XYZ	73.9208, 76.5633, 79.2977
YIQ	227.2350, 6.6480, 0.6640

# Conversions

## Conversions Part 2

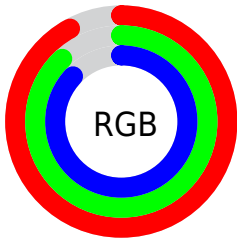
Format	Color
<b>RYB</b>	234, 227, 221
Decimal	15393245
CIELab	90.12, 2.40, 3.02
CIELCh	90, 3.859, 51.614
Yxy	76.5633, 0.3217, 0.3332
Android (android.graphics.Color)	4293583325 (0xFFEAE1DD)
YUV	227.2350, -3.0739, 5.9329
Hunter-Lab	87.5005, -2.3281, 7.5185

# Details

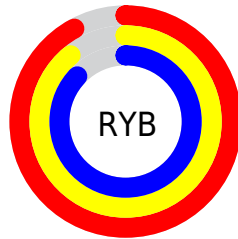
The Yxy color **76.5633, 0.3217, 0.3332** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **77.9518, 0.3041, 0.3248**, and the grayscale version is **77.0217, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.9676, 0.3235, 0.3345** is the 20% darker color. If you saturate the color by 10%, you get **67.0251, 0.3402, 0.3412**, and if you desaturate by 10%, it is **87.1200, 0.3062, 0.3258**.

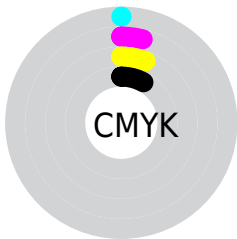
# Distribution



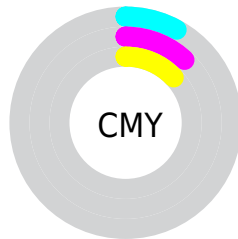
- Red (92%)
- Green (88%)
- Blue (87%)



- Red (92%)
- Yellow (89%)
- Blue (87%)



- Cyan (0%)
- Magenta (4%)
- Yellow (6%)
- Black (8%)




- Cyan (8%)
- Magenta (12%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.5633, 0.3217, 0.3332 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 76.5633, 0.3217, 0.3332 by changing the saturation by 10% instead.




 76.5633, 0.3217,  
0.3332

 76.5633, 0.3217,  
0.3332

483.2738, 0.3176,  
0.3313

 56.8945, 0.3226,  
0.3336


128.5229, 0.3203,  
0.3325

 40.9206, 0.3238,  
0.3342


161.5824, 0.3197,  
0.3323

 28.2570, 0.3253,  
0.3348


199.8744, 0.3192,  
0.3321

 18.5195, 0.3272,  
0.3357

243.7831, 0.3188,  
0.3319

 11.3236, 0.3298,  
0.3368

293.6930, 0.3185,  
0.3317

 6.2849, 0.3335,  
0.3385

349.9885, 0.3181,

 3.0191, 0.3393,

0.3316

0.3410

413.0540, 0.3178,  
0.3314

■ 1.1417, 0.3496,  
0.3453

■ 0.0133, 0.8424,  
0.1576

■ 76.5633, 0.3217,  
0.3332

■ 76.5633, 0.3217,  
0.3332

■ 67.0251, 0.3402,  
0.3412

■ 87.1200, 0.3062,  
0.3258

■ 58.4649, 0.3620,  
0.3495

■ 96.2406, 0.3000,  
0.3290

■ 50.8540, 0.3878,  
0.3580

■ 44.1586, 0.4176,  
0.3661

■ 38.3429, 0.4512,  
0.3731

■ 33.3686, 0.4876,  
0.3779

■ 29.1941, 0.5246,  
0.3792

■ 25.7738, 0.5590,  
0.3760

■ 23.0567, 0.5870,  
0.3681

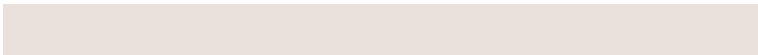
# Harmonies

## Analogous

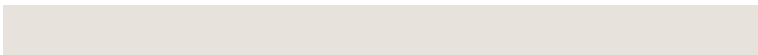
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.5633, 0.3204, 0.3293



76.5633, 0.3217, 0.3332



76.5633, 0.3206, 0.3360

# Triad

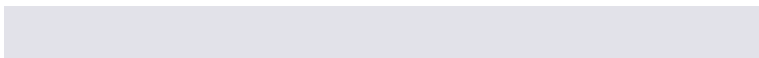
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.5633, 0.3217, 0.3332



76.5633, 0.3084, 0.3327



76.5633, 0.3081, 0.3212

# Complementary

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



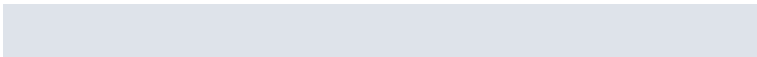
76.5633, 0.3217, 0.3332



77.9518, 0.3041, 0.3248

# 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.



76.5633, 0.3049, 0.3220



76.5633, 0.3217, 0.3332



76.5633, 0.3051, 0.3287

# Square

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



76.5633, 0.3217, 0.3332



76.5633, 0.3128, 0.3358



76.5633, 0.3038, 0.3247

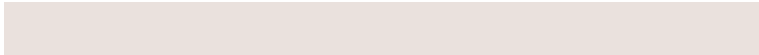


76.5633, 0.3126, 0.3224



# Rectangle

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



76.5633, 0.3217, 0.3332



76.5633, 0.3186, 0.3369



76.5633, 0.3038, 0.3247



76.5633, 0.3069, 0.3212

# Sweetspot

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



76.5666, 0.3217, 0.3332



97.4352, 0.3159, 0.3305



74.9420, 0.3159, 0.3195



20.8821, 0.3157, 0.3304



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

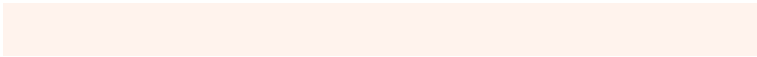


# Same Dimension

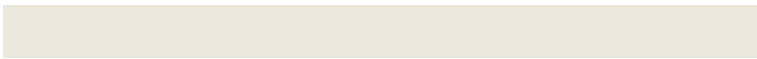
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.5666, 0.3217, 0.3332



91.2418, 0.3242, 0.3343



80.1210, 0.3212, 0.3399



16.2042, 0.3252, 0.3348



12.5832, 0.5947, 0.3660

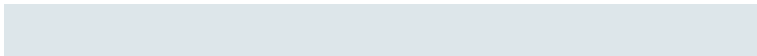


1.1524, 0.5675, 0.3876

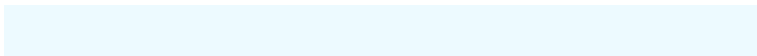


# Inverse Universe

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



77.9518, 0.3041, 0.3248



93.3458, 0.3019, 0.3236



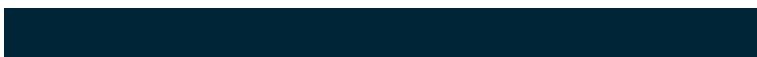
74.4256, 0.3042, 0.3179



16.6080, 0.3010, 0.3232



18.2164, 0.1963, 0.2265

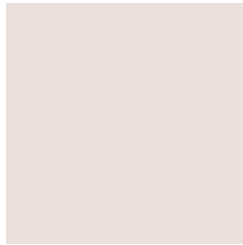


1.5988, 0.2007, 0.2424



# Previews

## White Background



This preview shows how the Yxy color 76.5633, 0.3217, 0.3332 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

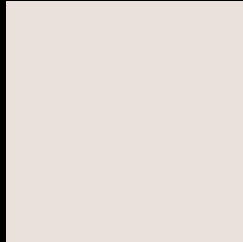
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.5633, 0.3217, 0.3332 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

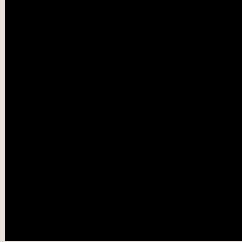
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

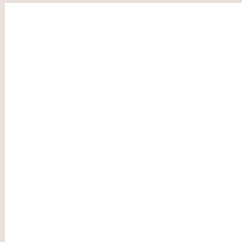
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.5633, 0.3217, 0.3332**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.5633, 0.3217, 0.3332.

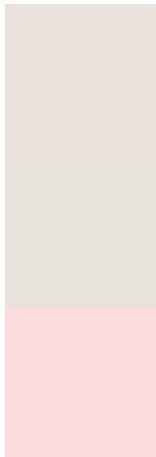


This preview shows how white text looks on a background with the Yxy color 76.5633, 0.3217, 0.3332.

# 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

76.5633, 0.3217, 0.3332

### Protanopia

76.7690, 0.3202, 0.3343

### Deuteranopia

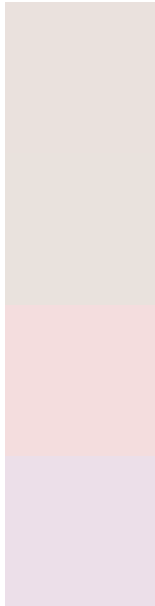
76.2610, 0.3332, 0.3260



## Tritanopia

76.5383, 0.3115, 0.3105

# Trichromacy



## Original Color

76.5633, 0.3217, 0.3332

## Protanomaly

76.9368, 0.3209, 0.3343

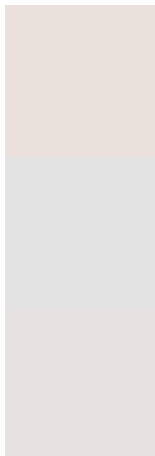
## Deuteranomaly

76.2199, 0.3286, 0.3280

## Tritanomaly

76.4914, 0.3153, 0.3187

# Monochromacy



## Original Color

76.5633, 0.3217, 0.3332

## Achromatopsia

76.8151, 0.3127, 0.3290

## Achromatomaly

76.6519, 0.3161, 0.3301

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.5633, 0.3217, 0.3332 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, 225, 221)` looks like.

```
.text, #text, p{  
    color:rgb(234, 225, 221)  
}
```

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, 225, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 225, 221) }
```

## Border

The CSS property to change the border of an element to Yxy 76.5633, 0.3217, 0.3332 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, 225, 221) }
```

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

```
.border{ border-color:rgb(234, 225, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 225, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 225, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 225, 221);  
box-shadow:4px 4px 4px 4px rgb(234, 225,  
221) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.5633, 0.3217, 0.3332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 225, 221) }
```

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

```
.background{ background-color: rgb(234,  
225, 221) }
```

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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