

# Converting Colors

$Yxy(69.8790, 0.3327, 0.3394)$

Have a look what the booklet for  
Yxy(69.8790, 0.3327, 0.3394)  
contains.

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# Color

**Yxy(69.6567, 0.3324, 0.3388)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8D6CD
RGB	232, 214, 205
RGB Percent	91%, 84%, 80%
CMY	0.0903, 0.1607, 0.1961
CMYK	0.00, 0.08, 0.12, 0.09
HSL	20°, 37%, 86%
HSV	20°, 12%, 91%
XYZ	68.3409, 69.6567, 67.6007
YIQ	218.3560, 13.6170, 1.0170

# Conversions

## Conversions Part 2

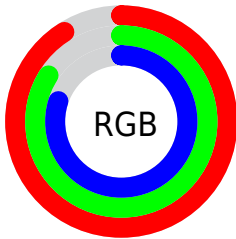
Format	Color
R <sub>Y</sub> B	232, 219, 205
Decimal	15259341
CIE Lab	86.83, 4.71, 6.67
CIE LCh	87, 8.168, 54.763
Yxy	69.6567, 0.3324, 0.3388
Android (android.graphics.Color)	4293449421 (0xFFE8D6CD)
YUV	218.3560, -6.5845, 11.9658
Hunter-Lab	83.4606, 0.1069, 10.3992

# Details

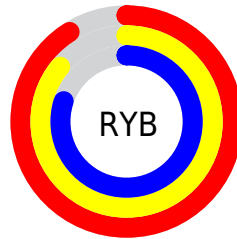
The Yxy color **69.6567, 0.3324, 0.3388** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.5671, 0.2947, 0.3190**, and the grayscale version is **70.4094, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.2607, 0.3369, 0.3404** is the 20% darker color. If you saturate the color by 10%, you get **61.1663, 0.3526, 0.3478**, and if you desaturate by 10%, it is **79.0615, 0.3153, 0.3303**.

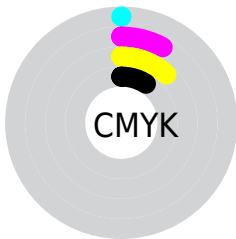
# Distribution



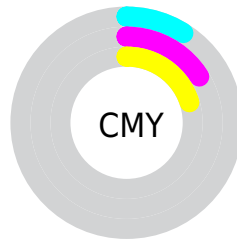
- Red (91%)
- Green (84%)
- Blue (80%)



- Red (91%)
- Yellow (86%)
- Blue (80%)



- Cyan (0%)
- Magenta (8%)
- Yellow (12%)
- Black (9%)



- Cyan (9%)
- Magenta (16%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.6567, 0.3324, 0.3388 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 69.6567, 0.3324, 0.3388 by changing the saturation by 10% instead.




 69.6567, 0.3324,  
0.3388

 69.6567, 0.3324,  
0.3388

459.3437, 0.3232,  
0.3343

 51.2467, 0.3345,  
0.3398


118.7191, 0.3292,  
0.3372

 36.4050, 0.3372,  
0.3411


150.1402, 0.3279,  
0.3366

 24.7471, 0.3406,  
0.3427


186.6672, 0.3269,  
0.3361

 15.8888, 0.3451,  
0.3447

228.6845, 0.3259,  
0.3357

 9.4455, 0.3513,  
0.3475

276.5763, 0.3251,  
0.3353

 5.0329, 0.3604,  
0.3515

330.7272, 0.3244,

 2.2666, 0.3750,

0.3349

0.3576

391.5216, 0.3238,  
0.3346

0.7559, 0.4283,  
0.3884

0.0000, 0.0000,  
0.0000

69.6567, 0.3324,  
0.3388

69.6567, 0.3324,  
0.3388

61.1663, 0.3526,  
0.3478

79.0615, 0.3153,  
0.3303

53.5531, 0.3764,  
0.3570

89.3979, 0.3007,  
0.3225

46.7910, 0.4039,  
0.3662

95.8933, 0.2987,  
0.3290

40.8490, 0.4351,  
0.3744

■ 35.6940, 0.4694,  
0.3809

■ 31.2906, 0.5051,  
0.3843

■ 27.6001, 0.5397,  
0.3835

■ 24.5796, 0.5697,  
0.3776

■ 22.5251, 0.5901,  
0.3696

# Harmonies

## Analogous

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



69.6567, 0.3301, 0.3305



69.6567, 0.3324, 0.3388



69.6567, 0.3293, 0.3447

# Triad

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



69.6567, 0.3324, 0.3388



69.6567, 0.3023, 0.3362



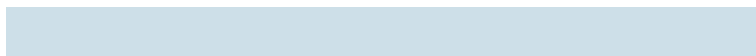
69.6567, 0.3036, 0.3121

# Complementary

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



69.6567, 0.3324, 0.3388



71.5671, 0.2947, 0.3190

# 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.



69.6567, 0.2963, 0.3133



69.6567, 0.3324, 0.3388



69.6567, 0.2956, 0.3272

# Square

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



69.6567, 0.3324, 0.3388



69.6567, 0.3118, 0.3433



69.6567, 0.2934, 0.3188



69.6567, 0.3134, 0.3153



# Rectangle

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



69.6567, 0.3324, 0.3388



69.6567, 0.3246, 0.3464



69.6567, 0.2934, 0.3188



69.6567, 0.3008, 0.3120

# Sweetspot

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



69.6598, 0.3324, 0.3388



96.3087, 0.3175, 0.3315



66.1439, 0.3204, 0.3098



20.4067, 0.3188, 0.3321



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

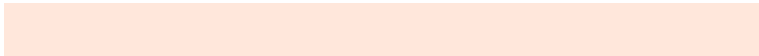


# Same Dimension

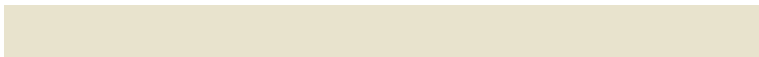
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.6598, 0.3324, 0.3388



83.6651, 0.3370, 0.3410



76.7665, 0.3306, 0.3530



15.1503, 0.3284, 0.3369



12.7140, 0.5872, 0.3720



1.1056, 0.5588, 0.3945

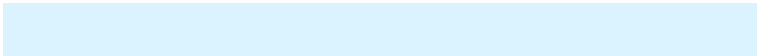


# Inverse Universe

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



71.5671, 0.2947, 0.3190



86.4759, 0.2909, 0.3167



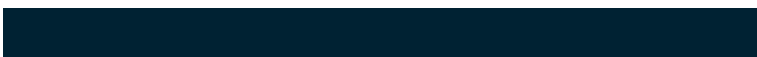
64.6508, 0.2944, 0.3038



15.4831, 0.2981, 0.3210



16.4048, 0.1934, 0.2163

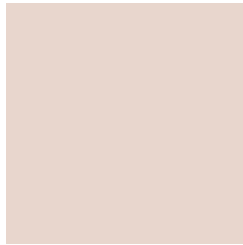


1.3815, 0.1985, 0.2347



# Previews

## White Background



This preview shows how the Yxy color 69.6567, 0.3324, 0.3388 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

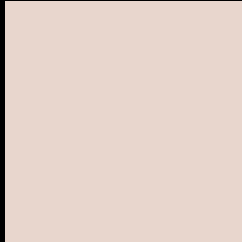
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.6567, 0.3324, 0.3388 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

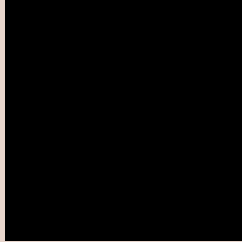
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.6567, 0.3324, 0.3388**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.6567, 0.3324, 0.3388.

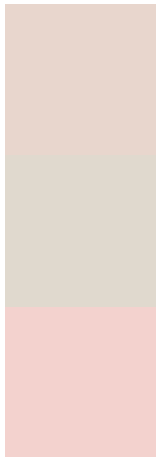


This preview shows how white text looks on a background with the Yxy color 69.6567, 0.3324, 0.3388.

# 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

69.6567, 0.3324, 0.3388

### Protanopia

69.9292, 0.3253, 0.3411

### Deuteranopia

69.6041, 0.3407, 0.3333



## Tritanopia

69.7968, 0.3194, 0.3122

# Trichromacy



## Original Color

69.6567, 0.3324, 0.3388

## Protanomaly

69.8989, 0.3277, 0.3400

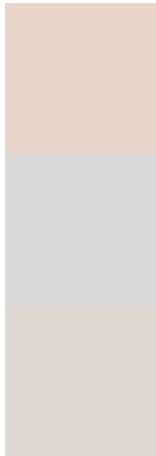
## Deuteranomaly

69.3955, 0.3375, 0.3344

## Tritanomaly

69.6939, 0.3242, 0.3216

# Monochromacy



## Original Color

69.6567, 0.3324, 0.3388

## Achromatopsia

70.1102, 0.3127, 0.3290

## Achromatomaly

70.1178, 0.3198, 0.3334

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.6567, 0.3324, 0.3388 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(232, 214, 205)` looks like.

```
.text, #text, p{  
    color:rgb(232, 214, 205)  
}
```

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(232, 214, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 214, 205) }
```

## Border

The CSS property to change the border of an element to Yxy 69.6567, 0.3324, 0.3388 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(232, 214, 205) }
```

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

```
.border{ border-color:rgb(232, 214, 205) }
```

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

Here you see how a box with a 4 pixel rgb(232, 214, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 214, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 214, 205);  
box-shadow:4px 4px 4px 4px rgb(232, 214,  
205) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.6567, 0.3324, 0.3388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 214, 205) }
```

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

```
.background{ background-color: rgb(232,  
214, 205) }
```

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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