

# Converting Colors

$Yxy(70.0662, 0.3308, 0.3371)$

Have a look what the booklet for  
Yxy(70.0662, 0.3308, 0.3371)  
contains.

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# Color

**Yxy(70.2617, 0.3309, 0.3377)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8D7CF
RGB	232, 215, 207
RGB Percent	91%, 84%, 81%
CMY	0.0901, 0.1569, 0.1883
CMYK	0.00, 0.07, 0.11, 0.09
HSL	19°, 35%, 86%
HSV	19°, 11%, 91%
XYZ	68.8469, 70.2617, 68.9509
YIQ	219.1710, 12.7000, 1.1160

# Conversions

## Conversions Part 2

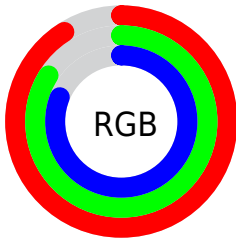
Format	Color
R <sub>Y</sub> B	232, 219, 207
Decimal	15259599
CIE Lab	87.13, 4.54, 6.05
CIE LCh	87, 7.565, 53.161
Yxy	70.2617, 0.3309, 0.3377
Android (android.graphics.Color)	4293449679 (0xFFE8D7CF)
YUV	219.1710, -6.0003, 11.2510
Hunter-Lab	83.8223, -0.0791, 9.9045

# Details

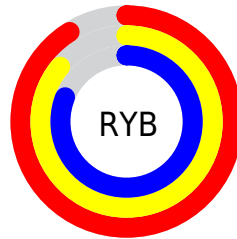
The Yxy color **70.2617, 0.3309, 0.3377** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.4093, 0.2960, 0.3201**, and the grayscale version is **71.0025, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.6716, 0.3348, 0.3389** is the 20% darker color. If you saturate the color by 10%, you get **61.5609, 0.3510, 0.3463**, and if you desaturate by 10%, it is **79.9104, 0.3139, 0.3296**.

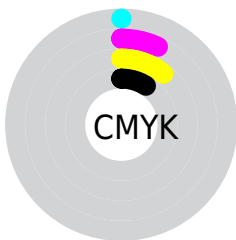
# Distribution



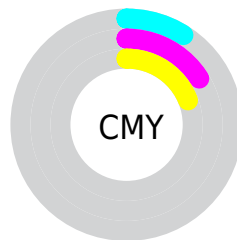
- Red (91%)
- Green (84%)
- Blue (81%)



- Red (91%)
- Yellow (86%)
- Blue (81%)



- Cyan (0%)
- Magenta (7%)
- Yellow (11%)
- Black (9%)




- Cyan (9%)
- Magenta (16%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.2617, 0.3309, 0.3377 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 70.2617, 0.3309, 0.3377 by changing the saturation by 10% instead.



 70.2617, 0.3309,  
0.3377

 70.2617, 0.3309,  
0.3377


461.4683, 0.3224,  
0.3337

 51.7399, 0.3329,  
0.3386


119.5819, 0.3279,  
0.3363

 36.7978, 0.3353,  
0.3397


151.1491, 0.3268,  
0.3358

 25.0510, 0.3384,  
0.3411


187.8335, 0.3258,  
0.3353

 16.1150, 0.3425,  
0.3430

230.0196, 0.3249,  
0.3349

 9.6056, 0.3482,  
0.3454

278.0917, 0.3242,  
0.3346

 5.1382, 0.3566,  
0.3490

332.4343, 0.3235,

 2.3286, 0.3699,

0.3342

0.3544

393.4317, 0.3229,  
0.3340

0.7888, 0.4128,  
0.3783

0.0000, 0.0000,  
0.0000

70.2617, 0.3309,  
0.3377

70.2617, 0.3309,  
0.3377

61.5609, 0.3510,  
0.3463

79.9104, 0.3139,  
0.3296

53.7695, 0.3746,  
0.3552

90.5253, 0.2996,  
0.3221

46.8602, 0.4021,  
0.3639

95.9011, 0.2988,  
0.3290

40.8004, 0.4335,  
0.3720

■ 35.5558, 0.4681,  
0.3783

■ 31.0893, 0.5045,  
0.3818

■ 27.3606, 0.5399,  
0.3811

■ 24.3250, 0.5709,  
0.3755

■ 22.0936, 0.5937,  
0.3668

# Harmonies

## Analogous

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



70.2617, 0.3285, 0.3299



70.2617, 0.3309, 0.3377



70.2617, 0.3283, 0.3433

# Triad

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



70.2617, 0.3309, 0.3377



70.2617, 0.3035, 0.3361



70.2617, 0.3038, 0.3133

# Complementary

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



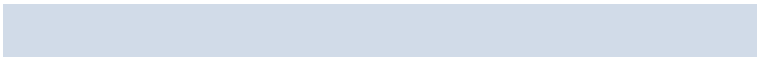
70.2617, 0.3309, 0.3377



72.4093, 0.2960, 0.3201

# 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.



70.2617, 0.2973, 0.3147



70.2617, 0.3309, 0.3377



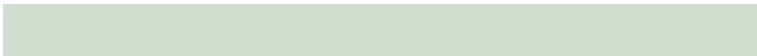
70.2617, 0.2971, 0.3278

# Square

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



70.2617, 0.3309, 0.3377



70.2617, 0.3124, 0.3425



70.2617, 0.2949, 0.3199



70.2617, 0.3128, 0.3160



# Rectangle

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



70.2617, 0.3309, 0.3377



70.2617, 0.3241, 0.3450



70.2617, 0.2949, 0.3199



70.2617, 0.3013, 0.3133

# Sweetspot

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



70.2648, 0.3309, 0.3377



96.2430, 0.3175, 0.3314



67.1642, 0.3195, 0.3107



20.3890, 0.3188, 0.3320



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

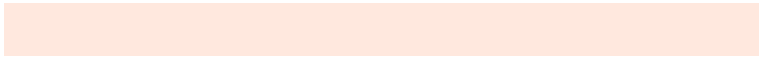


# Same Dimension

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



70.2648, 0.3309, 0.3377



84.4982, 0.3352, 0.3396



76.8436, 0.3294, 0.3508



15.1172, 0.3284, 0.3366



12.4632, 0.5907, 0.3691



1.0840, 0.5622, 0.3918

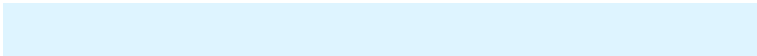


# Inverse Universe

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



72.4093, 0.2960, 0.3201



87.6625, 0.2925, 0.3181



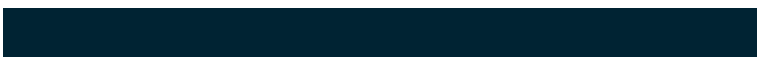
65.9642, 0.2958, 0.3062



15.5177, 0.2981, 0.3213



16.9997, 0.1948, 0.2212

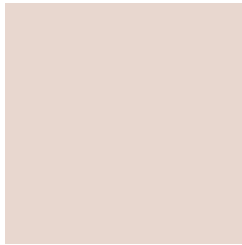


1.4222, 0.1997, 0.2388



# Previews

## White Background



This preview shows how the Yxy color 70.2617, 0.3309, 0.3377 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

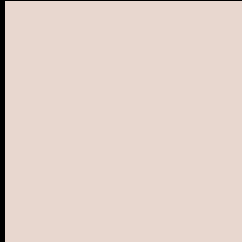
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.2617, 0.3309, 0.3377 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

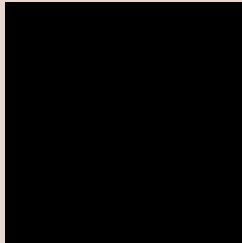
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

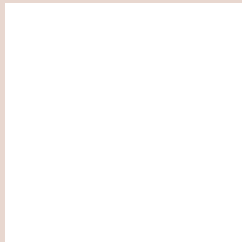
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.2617, 0.3309, 0.3377**

## Background



This preview shows how black text looks on a background with the Yxy color 70.2617, 0.3309, 0.3377.

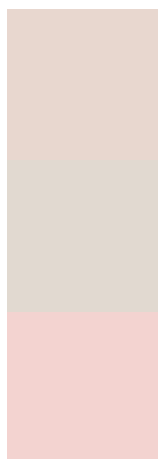


This preview shows how white text looks on a background with the Yxy color 70.2617, 0.3309, 0.3377.

# 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

70.2617, 0.3309, 0.3377

### Protanopia

70.1873, 0.3247, 0.3389

### Deuteranopia

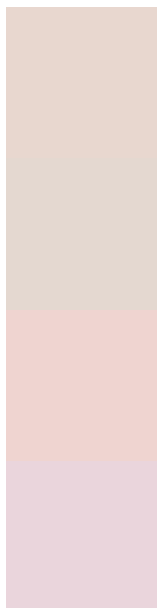
70.1973, 0.3391, 0.3322



## Tritanopia

70.3506, 0.3186, 0.3122

# Trichromacy



## Original Color

70.2617, 0.3309, 0.3377

## Protanomaly

70.1598, 0.3270, 0.3377

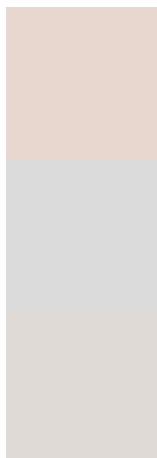
## Deuteranomaly

69.9918, 0.3359, 0.3333

## Tritanomaly

70.2482, 0.3234, 0.3216

# Monochromacy



## Original Color

70.2617, 0.3309, 0.3377

## Achromatopsia

70.8376, 0.3127, 0.3290

## Achromatomaly

70.8964, 0.3191, 0.3323

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.2617, 0.3309, 0.3377 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, 215, 207)` looks like.

```
.text, #text, p{  
    color:rgb(232, 215, 207)  
}
```

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, 215, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 215, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 70.2617, 0.3309, 0.3377 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, 215, 207) }
```

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

```
.border{ border-color:rgb(232, 215, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 215, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 215, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 215, 207);  
box-shadow:4px 4px 4px 4px rgb(232, 215,  
207) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.2617, 0.3309, 0.3377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 215, 207) }
```

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

```
.background{ background-color: rgb(232,  
215, 207) }
```

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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