

# Converting Colors

$Y_{xy}(72.2056, 0.3334, 0.3380)$

Have a look what the booklet for  
Yxy(72.2056, 0.3334, 0.3380)  
contains.

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# Color

**Yxy(72.2337, 0.3329, 0.3376)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDD9D1
RGB	237, 217, 209
RGB Percent	93%, 85%, 82%
CMY	0.0709, 0.1489, 0.1804
CMYK	0.00, 0.08, 0.12, 0.07
HSL	17°, 44%, 87%
HSV	17°, 12%, 93%
XYZ	71.2281, 72.2337, 70.5006
YIQ	222.0680, 14.4880, 1.7520

# Conversions

## Conversions Part 2

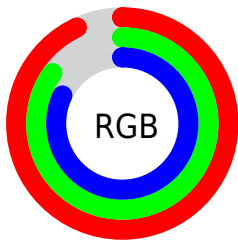
Format	Color
R <sub>Y</sub> B	237, 220, 209
Decimal	15587793
CIE Lab	88.08, 5.53, 6.43
CIE LCh	88, 8.480, 49.264
Yxy	72.2337, 0.3329, 0.3376
Android (android.graphics.Color)	4293777873 (0xFFEDD9D1)
YUV	222.0680, -6.4425, 13.0954
Hunter-Lab	84.9904, 0.8626, 10.3115

# Details

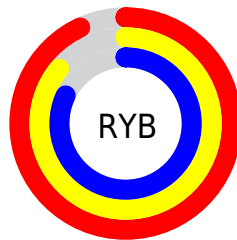
The Yxy color **72.2337, 0.3329, 0.3376** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75.6413, 0.2945, 0.3202**, and the grayscale version is **73.1323, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.0310, 0.3375, 0.3387** is the 20% darker color. If you saturate the color by 10%, you get **62.8890, 0.3536, 0.3454**, and if you desaturate by 10%, it is **82.6488, 0.3155, 0.3303**.

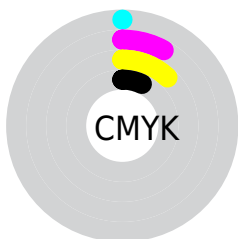
# Distribution



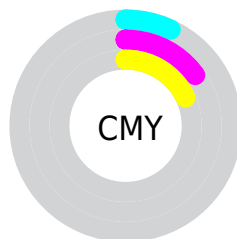
- Red (93%)
- Green (85%)
- Blue (82%)



- Red (93%)
- Yellow (86%)
- Blue (82%)



- Cyan (0%)
- Magenta (8%)
- Yellow (12%)
- Black (7%)



- Cyan (7%)
- Magenta (15%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.2337, 0.3329, 0.3376 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 72.2337, 0.3329, 0.3376 by changing the saturation by 10% instead.




 72.2337, 0.3329,  
0.3376

 72.2337, 0.3329,  
0.3376


468.3546, 0.3235,  
0.3337

 53.3496, 0.3351,  
0.3385


122.3887, 0.3296,  
0.3363

 38.0819, 0.3377,  
0.3396


154.4285, 0.3284,  
0.3357

 26.0463, 0.3412,  
0.3409


191.6222, 0.3273,  
0.3353

 16.8583, 0.3456,  
0.3426

234.3543, 0.3263,  
0.3349

 10.1335, 0.3518,  
0.3450

283.0092, 0.3255,  
0.3345

 5.4876, 0.3608,  
0.3483

337.9713, 0.3247,

 2.5361, 0.3751,

0.3342

399.6250, 0.3241,  
0.3339

0.3532

0.8946, 0.4118,  
0.3707

0.0000, 0.0000,  
0.0000

72.2337, 0.3329,  
0.3376

72.2337, 0.3329,  
0.3376

62.8890, 0.3536,  
0.3454

82.6488, 0.3155,  
0.3303

54.5708, 0.3781,  
0.3534

94.0687, 0.3017,  
0.3248

47.2462, 0.4068,  
0.3613

96.7329, 0.3017,  
0.3290

40.8769, 0.4396,  
0.3684

■ 35.4221, 0.4759,  
0.3737

■ 30.8375, 0.5139,  
0.3761

■ 27.0753, 0.5504,  
0.3745

■ 24.0817, 0.5817,  
0.3682

■ 22.1504, 0.6017,  
0.3604

# Harmonies

## Analogous

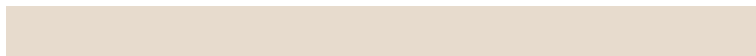
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.2337, 0.3296, 0.3288



72.2337, 0.3329, 0.3376



72.2337, 0.3307, 0.3443

# Triad

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



72.2337, 0.3329, 0.3376



72.2337, 0.3037, 0.3380



72.2337, 0.3017, 0.3116

# Complementary

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



72.2337, 0.3329, 0.3376



75.6413, 0.2945, 0.3202

# 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.



72.2337, 0.2950, 0.3137



72.2337, 0.3329, 0.3376



72.2337, 0.2961, 0.3288

# Square

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



72.2337, 0.3329, 0.3376



72.2337, 0.3137, 0.3447



72.2337, 0.2930, 0.3199



72.2337, 0.3115, 0.3140



# Rectangle

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



72.2337, 0.3329, 0.3376



72.2337, 0.3264, 0.3466



72.2337, 0.2930, 0.3199



72.2337, 0.2990, 0.3118

# Sweetspot

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



72.2369, 0.3329, 0.3376



94.8127, 0.3191, 0.3318



69.2454, 0.3196, 0.3080



20.0900, 0.3204, 0.3324



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

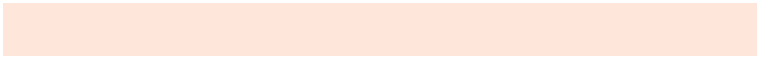


# Same Dimension

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



72.2369, 0.3329, 0.3376



82.7476, 0.3373, 0.3393



79.6789, 0.3311, 0.3520



15.7602, 0.3286, 0.3358



12.2955, 0.5988, 0.3627



1.1253, 0.5717, 0.3843

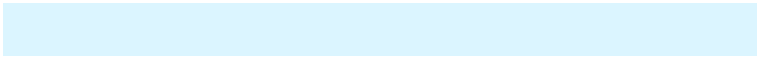


# Inverse Universe

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



75.6413, 0.2945, 0.3202



87.4652, 0.2910, 0.3184



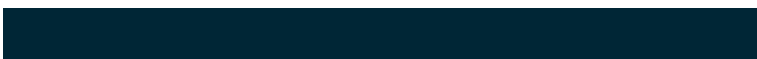
68.2861, 0.2942, 0.3049



16.3468, 0.2981, 0.3221



19.0234, 0.1980, 0.2326

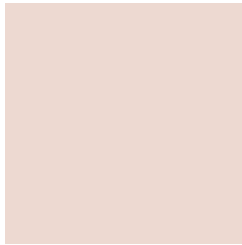


1.6572, 0.2021, 0.2476



# Previews

## White Background



This preview shows how the Yxy color 72.2337, 0.3329, 0.3376 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 72.2337, 0.3329, 0.3376 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

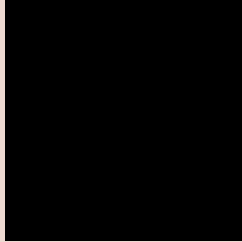
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

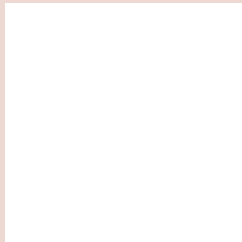
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.2337, 0.3329, 0.3376**

## Background



This preview shows how black text looks on a background with the Yxy color 72.2337, 0.3329, 0.3376.

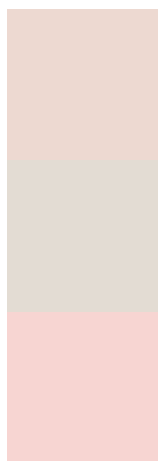


This preview shows how white text looks on a background with the Yxy color 72.2337, 0.3329, 0.3376.

# 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

72.2337, 0.3329, 0.3376

### Protanopia

72.2204, 0.3238, 0.3388

### Deuteranopia

72.0158, 0.3404, 0.3322



## Tritanopia

72.3879, 0.3201, 0.3114

# Trichromacy



## Original Color

72.2337, 0.3329, 0.3376

## Protanomaly

72.3051, 0.3275, 0.3387

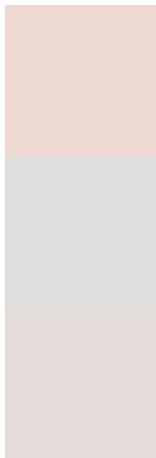
## Deuteranomaly

71.8010, 0.3372, 0.3333

## Tritanomaly

72.2793, 0.3248, 0.3207

# Monochromacy



## Original Color

72.2337, 0.3329, 0.3376

## Achromatopsia

73.0461, 0.3127, 0.3290

## Achromatomaly

72.5270, 0.3197, 0.3323

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.2337, 0.3329, 0.3376 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(237, 217, 209)` looks like.

```
.text, #text, p{  
    color:rgb(237, 217, 209)  
}
```

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(237, 217, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 217, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 72.2337, 0.3329, 0.3376 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(237, 217, 209) }
```

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

```
.border{ border-color:rgb(237, 217, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 217, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 217, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 217, 209);  
box-shadow:4px 4px 4px 4px rgb(237, 217,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.2337, 0.3329, 0.3376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 217, 209) }
```

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

```
.background{ background-color: rgb(237,  
217, 209) }
```

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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