

# Converting Colors

$Y_{xy}(72.0815, 0.3348, 0.3378)$

Have a look what the booklet for  
Yxy(72.0815, 0.3348, 0.3378)  
contains.

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# Color

**Yxy(71.8429, 0.3345, 0.3376)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EED8D0
RGB	238, 216, 208
RGB Percent	93%, 85%, 82%
CMY	0.0669, 0.1528, 0.1844
CMYK	0.00, 0.09, 0.13, 0.07
HSL	16°, 47%, 87%
HSV	16°, 13%, 93%
XYZ	71.1832, 71.8429, 69.7787
YIQ	221.6660, 15.6800, 2.1760

# Conversions

## Conversions Part 2

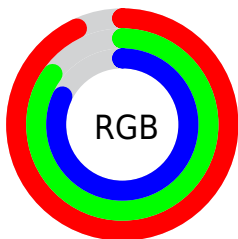
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	238, 219, 208
Decimal	15653072
CIE Lab	87.89, 6.25, 6.69
CIE LCh	88, 9.157, 46.969
Yxy	71.8429, 0.3345, 0.3376
Android (android.graphics.Color)	4293843152 (0xFFEED8D0)
YUV	221.6660, -6.7373, 14.3249
Hunter-Lab	84.7602, 1.5773, 10.5217

# Details

The Yxy color **71.8429, 0.3345, 0.3376** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **76.1105, 0.2933, 0.3202**, and the grayscale version is **72.8356, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.7679, 0.3396, 0.3387** is the 20% darker color. If you saturate the color by 10%, you get **62.3098, 0.3556, 0.3449**, and if you desaturate by 10%, it is **82.5026, 0.3168, 0.3307**.

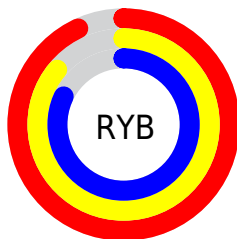
# Distribution



Red (93%)

Green (85%)

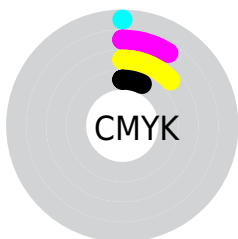
Blue (82%)



Red (93%)

Yellow (86%)

Blue (82%)

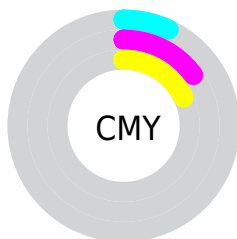


Cyan (0%)

Magenta (9%)

Yellow (13%)

Black (7%)



Cyan (7%)

Magenta (15%)


Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.8429, 0.3345, 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 71.8429, 0.3345, 0.3376 by changing the saturation by 10% instead.




 71.8429, 0.3345,  
0.3376

 71.8429, 0.3345,  
0.3376


466.9946, 0.3243,  
0.3337

 53.0304, 0.3368,  
0.3385


121.8331, 0.3310,  
0.3363

 37.8270, 0.3397,  
0.3395


153.7796, 0.3296,  
0.3357

 25.8484, 0.3434,  
0.3409


190.8729, 0.3284,  
0.3353

 16.7103, 0.3483,  
0.3426

233.4973, 0.3274,  
0.3349

 10.0282, 0.3550,  
0.3449

282.0373, 0.3265,  
0.3345

 5.4176, 0.3648,  
0.3481

336.8773, 0.3257,

 2.4943, 0.3803,

0.3342

0.3529

398.4016, 0.3250,  
0.3340

0.8738, 0.4220,  
0.3721

0.0000, 0.0000,  
0.0000

71.8429, 0.3345,  
0.3376

71.8429, 0.3345,  
0.3376

62.3098, 0.3556,  
0.3449

82.5026, 0.3168,  
0.3307

53.8566, 0.3808,  
0.3524

94.2776, 0.3023,  
0.3249

46.4474, 0.4103,  
0.3598

96.9062, 0.3023,  
0.3290

40.0406, 0.4441,  
0.3662

■ 34.5918, 0.4814,  
0.3710

■ 30.0530, 0.5203,  
0.3727

■ 26.3716, 0.5573,  
0.3705

■ 23.4891, 0.5883,  
0.3638

■ 21.8223, 0.6062,  
0.3569

# Harmonies

## Analogous

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



71.8429, 0.3305, 0.3281



71.8429, 0.3345, 0.3376



71.8429, 0.3326, 0.3451

# Triad

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



71.8429, 0.3345, 0.3376



71.8429, 0.3037, 0.3394



71.8429, 0.3001, 0.3102

# Complementary

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



71.8429, 0.3345, 0.3376



76.1105, 0.2933, 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.



71.8429, 0.2932, 0.3128



71.8429, 0.3345, 0.3376



71.8429, 0.2952, 0.3296

# Square

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



71.8429, 0.3345, 0.3376



71.8429, 0.3146, 0.3463



71.8429, 0.2914, 0.3198



71.8429, 0.3105, 0.3124

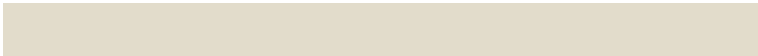


# Rectangle

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



71.8429, 0.3345, 0.3376



71.8429, 0.3282, 0.3479



71.8429, 0.2914, 0.3198



71.8429, 0.2973, 0.3105

# Sweetspot

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



71.8461, 0.3345, 0.3376



94.6924, 0.3191, 0.3317



68.9806, 0.3197, 0.3061



20.0596, 0.3204, 0.3322



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

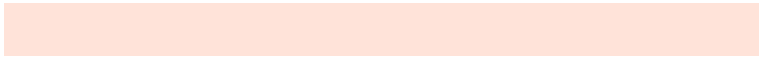


# Same Dimension

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



71.8461, 0.3345, 0.3376



81.2077, 0.3394, 0.3394



79.8421, 0.3325, 0.3531



16.4494, 0.3287, 0.3354



12.3638, 0.6035, 0.3590



1.1872, 0.5778, 0.3794

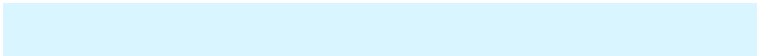


# Inverse Universe

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



76.1105, 0.2933, 0.3202



87.0730, 0.2895, 0.3184



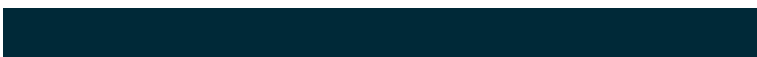
68.1642, 0.2929, 0.3037



17.1689, 0.2981, 0.3225



20.5739, 0.1998, 0.2394

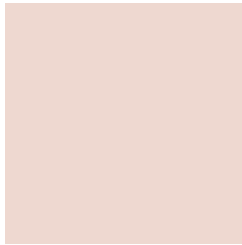


1.8746, 0.2035, 0.2526



# Previews

## White Background



This preview shows how the Yxy color 71.8429, 0.3345, 0.3376 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

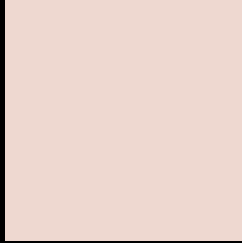
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.8429, 0.3345, 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

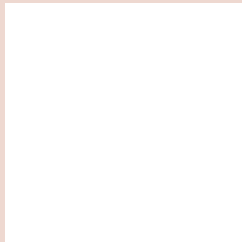
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 71.8429, 0.3345, 0.3376**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.8429, 0.3345, 0.3376.

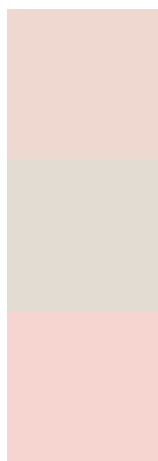


This preview shows how white text looks on a background with the Yxy color 71.8429, 0.3345, 0.3376.

# 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

71.8429, 0.3345, 0.3376

### Protanopia

72.1704, 0.3245, 0.3399

### Deuteranopia

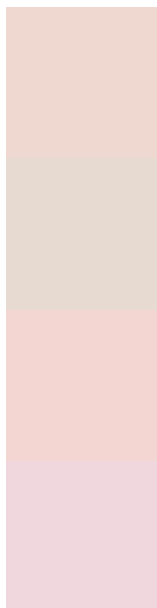
71.7848, 0.3403, 0.3333



## Tritanopia

71.9464, 0.3223, 0.3125

# Trichromacy



## Original Color

71.8429, 0.3345, 0.3376

## Protanomaly

72.2554, 0.3282, 0.3398

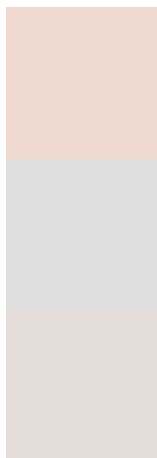
## Deuteranomaly

71.7513, 0.3379, 0.3343

## Tritanomaly

71.8389, 0.3271, 0.3217

# Monochromacy



## Original Color

71.8429, 0.3345, 0.3376

## Achromatopsia

73.0461, 0.3127, 0.3290

## Achromatomaly

72.6901, 0.3205, 0.3322

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.8429, 0.3345, 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(238, 216, 208)` looks like.

```
.text, #text, p{  
    color:rgb(238, 216, 208)  
}
```

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(238, 216, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 216, 208) }
```

## Border

The CSS property to change the border of an element to Yxy 71.8429, 0.3345, 0.3376 is called "border". The border property can be set on classes, ids or directly on the HTML element.

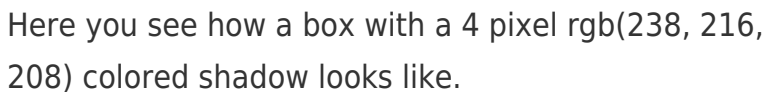
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(238, 216, 208) }
```

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

```
.border{ border-color:rgb(238, 216, 208) }
```

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



Here you see how a box with a 4 pixel `rgb(238, 216, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(238, 216, 208); -webkit-box-shadow:4px 4px 4px 4px rgb(238, 216, 208); box-shadow:4px 4px 4px 4px rgb(238, 216, 208) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.8429, 0.3345, 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(238, 216, 208) }
```

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

```
.background{ background-color: rgb(238,  
216, 208) }
```

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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