

# Converting Colors

$Yxy(71.3395, 0.3338, 0.3351)$

Have a look what the booklet for  
Yxy(71.3395, 0.3338, 0.3351)  
contains.

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# Color

**Yxy(71.3815, 0.3340, 0.3354)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EED7D1
RGB	238, 215, 209
RGB Percent	93%, 84%, 82%
CMY	0.0665, 0.1569, 0.1803
CMYK	0.00, 0.10, 0.12, 0.07
HSL	12°, 46%, 88%
HSV	12°, 12%, 93%
XYZ	71.0835, 71.3815, 70.3599
YIQ	221.1930, 15.6340, 3.0100

# Conversions

## Conversions Part 2

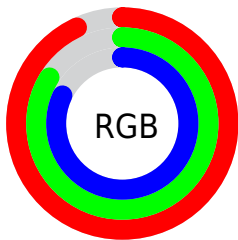
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	238, 217, 209
Decimal	15652817
CIE Lab	87.67, 7.00, 5.83
CIE LCh	88, 9.109, 39.809
Yxy	71.3815, 0.3340, 0.3354
Android (android.graphics.Color)	4293842897 (0xFFEED7D1)
YUV	221.1930, -6.0111, 14.7397
Hunter-Lab	84.4876, 2.3276, 9.7655

# Details

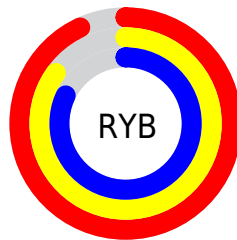
The Yxy color **71.3815, 0.3340, 0.3354** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **77.4922, 0.2939, 0.3225**, and the grayscale version is **72.4901, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.4533, 0.3389, 0.3360** is the 20% darker color. If you saturate the color by 10%, you get **61.2131, 0.3555, 0.3410**, and if you desaturate by 10%, it is **82.8453, 0.3162, 0.3301**.

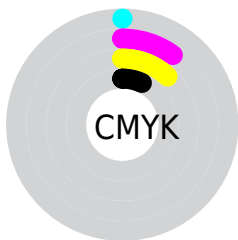
# Distribution



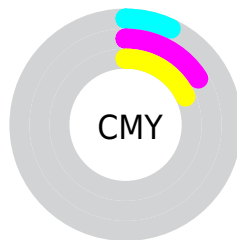
- Red (93%)
- Green (84%)
- Blue (82%)



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



- Cyan (0%)
- Magenta (10%)
- Yellow (12%)
- Black (7%)




- Cyan (7%)
- Magenta (16%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.3815, 0.3340, 0.3354 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 71.3815, 0.3340, 0.3354 by changing the saturation by 10% instead.




 71.3815, 0.3340,  
0.3354

 71.3815, 0.3340,  
0.3354


465.3860, 0.3241,  
0.3325

 52.6536, 0.3363,  
0.3360


121.1768, 0.3305,  
0.3344

 37.5263, 0.3391,  
0.3368


153.0129, 0.3292,  
0.3340

 25.6152, 0.3428,  
0.3378


189.9873, 0.3280,  
0.3337

 16.5360, 0.3475,  
0.3391

232.4843, 0.3270,  
0.3334

 9.9042, 0.3541,  
0.3407

280.8882, 0.3262,  
0.3331

 5.3355, 0.3637,  
0.3430

335.5835, 0.3254,

 2.4454, 0.3792,

0.3329

0.3464

396.9547, 0.3247,  
0.3327

0.8491, 0.4191,  
0.3611

0.0000, 0.0000,  
0.0000

71.3815, 0.3340,  
0.3354

71.3815, 0.3340,  
0.3354

61.2131, 0.3555,  
0.3410

82.8453, 0.3162,  
0.3301

52.2852, 0.3814,  
0.3468

95.5334, 0.3024,  
0.3268

44.5526, 0.4122,  
0.3525

96.9267, 0.3024,  
0.3290

37.9641, 0.4480,  
0.3574

■ 32.4644, 0.4878,  
0.3608

■ 27.9936, 0.5294,  
0.3617

■ 24.4859, 0.5688,  
0.3592

■ 21.8672, 0.6008,  
0.3531

■ 20.3807, 0.6189,  
0.3468

# Harmonies

## Analogous

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



71.3815, 0.3287, 0.3258



71.3815, 0.3340, 0.3354



71.3815, 0.3335, 0.3436

# Triad

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



71.3815, 0.3340, 0.3354



71.3815, 0.3062, 0.3414



71.3815, 0.2981, 0.3104

# Complementary

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



71.3815, 0.3340, 0.3354



77.4922, 0.2939, 0.3225

# 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.



71.3815, 0.2923, 0.3141



71.3815, 0.3340, 0.3354



71.3815, 0.2969, 0.3320

# Square

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



71.3815, 0.3340, 0.3354



71.3815, 0.3173, 0.3473



71.3815, 0.2919, 0.3220



71.3815, 0.3078, 0.3115



# Rectangle

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



71.3815, 0.3340, 0.3354



71.3815, 0.3299, 0.3471



71.3815, 0.2919, 0.3220



71.3815, 0.2956, 0.3111

# Sweetspot

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



71.3847, 0.3340, 0.3354



94.2996, 0.3192, 0.3310



69.6338, 0.3181, 0.3048



19.9605, 0.3205, 0.3314



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

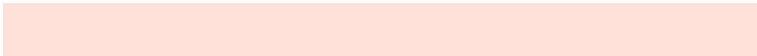


# Same Dimension

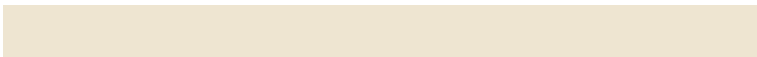
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.3847, 0.3340, 0.3354



79.9009, 0.3397, 0.3370



79.0190, 0.3321, 0.3503



16.2855, 0.3288, 0.3339



11.5124, 0.6165, 0.3487



1.0956, 0.5921, 0.3681

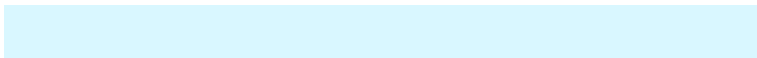


# Inverse Universe

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



77.4922, 0.2939, 0.3225



88.5357, 0.2896, 0.3209



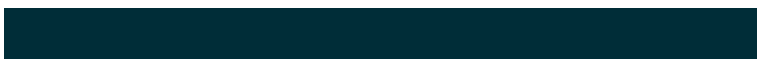
69.7337, 0.2936, 0.3067



17.3445, 0.2981, 0.3240



23.9503, 0.2060, 0.2616

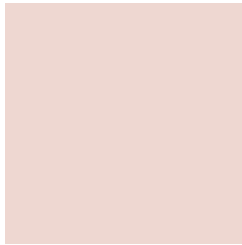


2.1299, 0.2087, 0.2714



# Previews

## White Background



This preview shows how the Yxy color 71.3815, 0.3340, 0.3354 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

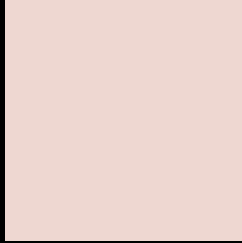
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.3815, 0.3340, 0.3354 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

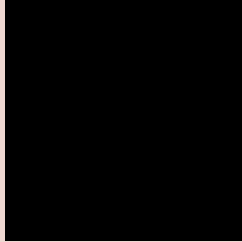
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

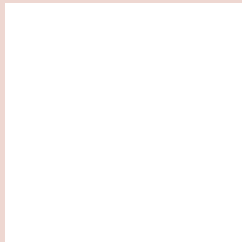
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 71.3815, 0.3340, 0.3354**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.3815, 0.3340, 0.3354.

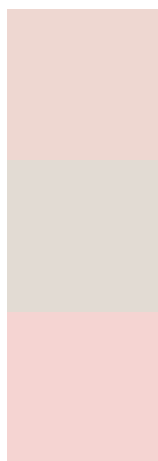


This preview shows how white text looks on a background with the Yxy color 71.3815, 0.3340, 0.3354.

# 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

71.3815, 0.3340, 0.3354

### Protanopia

71.5349, 0.3232, 0.3377

### Deuteranopia

71.1526, 0.3390, 0.3312



## Tritanopia

71.4449, 0.3224, 0.3114

# Trichromacy



## Original Color

71.3815, 0.3340, 0.3354

## Protanomaly

71.6189, 0.3269, 0.3377

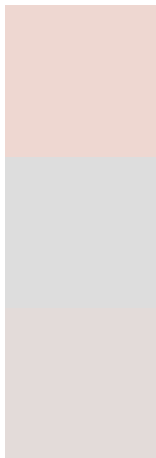
## Deuteranomaly

71.1189, 0.3366, 0.3322

## Tritanomaly

71.3877, 0.3265, 0.3196

# Monochromacy



## Original Color

71.3815, 0.3340, 0.3354

## Achromatopsia

72.3055, 0.3127, 0.3290

## Achromatomaly

72.0037, 0.3198, 0.3312

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.3815, 0.3340, 0.3354 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, 215, 209)` looks like.

```
.text, #text, p{  
    color:rgb(238, 215, 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(238, 215, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 215, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 71.3815, 0.3340, 0.3354 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, 215, 209) }
```

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

```
.border{ border-color:rgb(238, 215, 209) }
```

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

Here you see how a box with a 4 pixel rgb(238, 215, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 215, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 215, 209);  
box-shadow:4px 4px 4px 4px rgb(238, 215,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.3815, 0.3340, 0.3354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 215, 209) }
```

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

```
.background{ background-color: rgb(238,  
215, 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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