

# Converting Colors

$Y_{xy}(73.1425, 0.3396, 0.3382)$

Have a look what the booklet for  
Yxy(73.1425, 0.3396, 0.3382)  
contains.

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# Color

**Yxy(72.8989, 0.3391, 0.3374)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4D8D0
RGB	244, 216, 208
RGB Percent	96%, 85%, 82%
CMY	0.0429, 0.1530, 0.1842
CMYK	0.00, 0.12, 0.15, 0.04
HSL	13°, 62%, 89%
HSV	13°, 15%, 96%
XYZ	73.2662, 72.8989, 69.8957
YIQ	223.4600, 19.2560, 3.4480

# Conversions

## Conversions Part 2

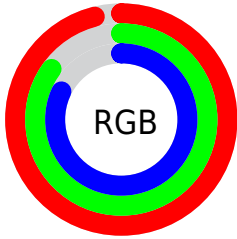
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	244, 218, 208
Decimal	16046288
CIE <sub>Lab</sub>	88.40, 8.45, 7.47
CIE <sub>LCh</sub>	88, 11.281, 41.474
Yxy	72.8989, 0.3391, 0.3374
Android (android.graphics.Color)	4294236368 (0xFFFF4D8D0)
<b>YUV</b>	223.4600, -7.6218, 18.0136
Hunter-Lab	85.3809, 3.7562, 11.2298

# Details

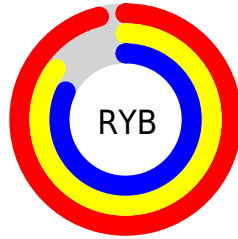
The Yxy color  $72.8989, 0.3391, 0.3374$  is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be  $79.9942, 0.2899, 0.3204$ , and the grayscale version is  $74.1880, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $38.5142, 0.3456, 0.3385$  is the 20% darker color. If you saturate the color by 10%, you get  $62.6075, 0.3616, 0.3435$ , and if you desaturate by 10%, it is  $84.5089, 0.3204, 0.3316$ .

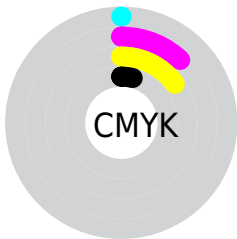
# Distribution



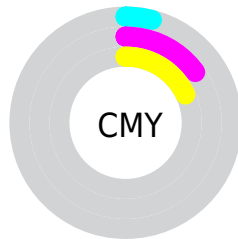
- Red (96%)
- Green (85%)
- Blue (82%)



- Red (96%)
- Yellow (85%)
- Blue (82%)



- Cyan (0%)
- Magenta (12%)
- Yellow (15%)
- Black (4%)




- Cyan (4%)
- Magenta (15%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.8989, 0.3391, 0.3374 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 72.8989, 0.3391, 0.3374 by changing the saturation by 10% instead.




 72.8989, 0.3391,  
0.3374

 72.8989, 0.3391,  
0.3374


470.6643, 0.3268,  
0.3336

 53.8933, 0.3419,  
0.3382


123.3337, 0.3348,  
0.3361

 38.5164, 0.3454,  
0.3392


155.5316, 0.3332,  
0.3356

 26.3837, 0.3499,  
0.3405


192.8958, 0.3317,  
0.3352

 17.1109, 0.3557,  
0.3421

235.8107, 0.3305,  
0.3348

 10.3136, 0.3638,  
0.3441

284.6606, 0.3294,  
0.3345

 5.6074, 0.3754,  
0.3470

339.8299, 0.3284,

 2.6078, 0.3939,

0.3342

0.3509

401.7030, 0.3276,  
0.3339

0.9306, 0.4398,  
0.3669

0.0000, 1.0000,  
0.0000

72.8989, 0.3391,  
0.3374

72.8989, 0.3391,  
0.3374

62.6075, 0.3616,  
0.3435

84.5089, 0.3204,  
0.3316

53.5782, 0.3885,  
0.3497

97.3534, 0.3060,  
0.3280

45.7648, 0.4203,  
0.3557

97.9838, 0.3060,  
0.3290

39.1145, 0.4567,  
0.3607

■ 33.5705, 0.4967,  
0.3638

■ 29.0713, 0.5376,  
0.3641

■ 25.5486, 0.5752,  
0.3606

■ 22.9255, 0.6046,  
0.3533

■ 21.8756, 0.6163,  
0.3489

# Harmonies

## Analogous

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



72.8989, 0.3329, 0.3256



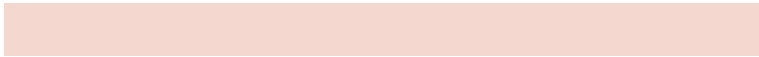
72.8989, 0.3391, 0.3374



72.8989, 0.3380, 0.3473

# Triad

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



72.8989, 0.3391, 0.3374



72.8989, 0.3039, 0.3437



72.8989, 0.2953, 0.3061

# Complementary

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



72.8989, 0.3391, 0.3374



79.9942, 0.2899, 0.3204

# 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.



72.8989, 0.2879, 0.3103



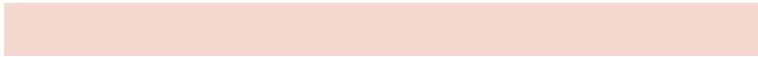
72.8989, 0.3391, 0.3374



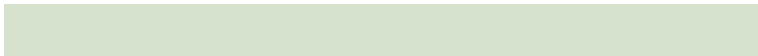
72.8989, 0.2929, 0.3320

# Square

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



72.8989, 0.3391, 0.3374



72.8989, 0.3176, 0.3513



72.8989, 0.2871, 0.3197



72.8989, 0.3074, 0.3079



# Rectangle

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



72.8989, 0.3391, 0.3374



72.8989, 0.3334, 0.3514



72.8989, 0.2871, 0.3197



72.8989, 0.2922, 0.3069

# Sweetspot

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



72.9022, 0.3391, 0.3374



94.3949, 0.3192, 0.3312



70.4359, 0.3199, 0.3001



19.9846, 0.3204, 0.3316



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

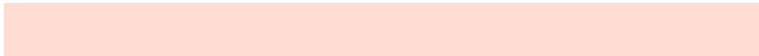


# Same Dimension

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



72.9022, 0.3391, 0.3374



76.6581, 0.3460, 0.3394



82.5581, 0.3364, 0.3556



17.0762, 0.3288, 0.3343



12.0531, 0.6138, 0.3509



1.2060, 0.5903, 0.3695

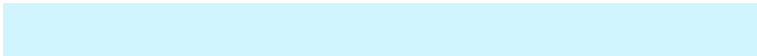


# Inverse Universe

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



79.9942, 0.2899, 0.3204



86.0085, 0.2850, 0.3184



70.2108, 0.2892, 0.3009



18.1001, 0.2980, 0.3236



23.8073, 0.2045, 0.2561

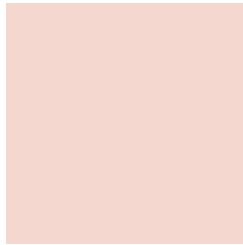


2.2420, 0.2073, 0.2663



# Previews

## White Background



This preview shows how the Yxy color 72.8989, 0.3391, 0.3374 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

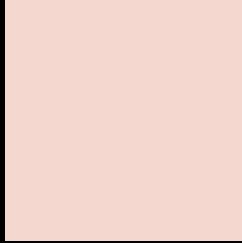
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.8989, 0.3391, 0.3374 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

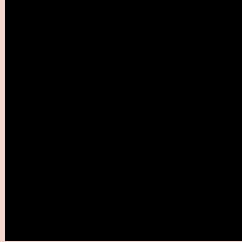
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

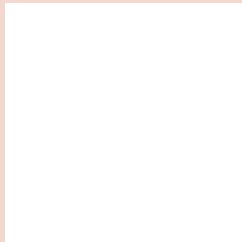
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.8989, 0.3391, 0.3374**

## Background



This preview shows how black text looks on a background with the Yxy color 72.8989, 0.3391, 0.3374.

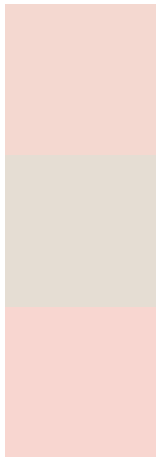


This preview shows how white text looks on a background with the Yxy color 72.8989, 0.3391, 0.3374.

# 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

72.8989, 0.3391, 0.3374

### Protanopia

73.0741, 0.3252, 0.3398

### Deuteranopia

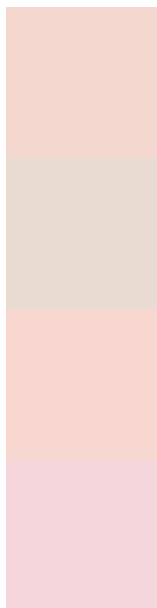
72.6037, 0.3424, 0.3353



## Tritanopia

73.0198, 0.3267, 0.3127

# Trichromacy



## Original Color

72.8989, 0.3391, 0.3374

## Protanomaly

72.8086, 0.3298, 0.3387

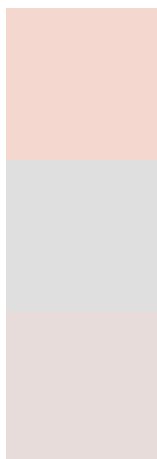
## Deuteranomaly

72.9291, 0.3415, 0.3364

## Tritanomaly

72.9064, 0.3315, 0.3218

# Monochromacy



## Original Color

72.8989, 0.3391, 0.3374

## Achromatopsia

73.7910, 0.3127, 0.3290

## Achromatomaly

73.2373, 0.3220, 0.3312

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.8989, 0.3391, 0.3374 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(244, 216, 208)` looks like.

```
.text, #text, p{  
    color:rgb(244, 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(244, 216, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 216, 208) }
```

## Border

The CSS property to change the border of an element to Yxy 72.8989, 0.3391, 0.3374 is called "border". The border property can be set on classes, ids or directly on the HTML element.

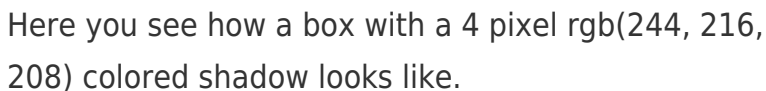
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(244, 216, 208) }
```

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

```
.border{ border-color:rgb(244, 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(244, 216, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 216, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 216, 208);  
box-shadow:4px 4px 4px 4px rgb(244, 216,  
208) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 72.8989, 0.3391, 0.3374$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 216, 208) }
```

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

```
.background{ background-color: rgb(244,  
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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