

# Converting Colors

$Yxy(74.8050, 0.3218, 0.3198)$

Have a look what the booklet for  
Yxy(74.8050, 0.3218, 0.3198)  
contains.

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# Color

**Yxy(74.7897, 0.3218, 0.3197)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0DBE4
RGB	240, 219, 228
RGB Percent	94%, 86%, 89%
CMY	0.0587, 0.1412, 0.1059
CMYK	0.00, 0.09, 0.05, 0.06
HSL	334°, 41%, 90%
HSV	334°, 9%, 94%
XYZ	75.2810, 74.7897, 83.8665
YIQ	226.3050, 9.6270, 7.2510

# Conversions

## Conversions Part 2

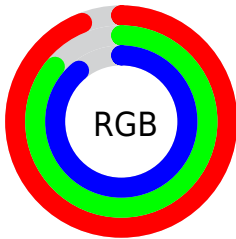
Format	Color
R <sub>Y</sub> B	240, 219, 228
Decimal	15784932
CIE Lab	89.29, 8.76, -1.79
CIE LCh	89, 8.940, 348.447
Yxy	74.7897, 0.3218, 0.3197
Android (android.graphics.Color)	4293975012 (0xFFFF0DBE4)
YUV	226.3050, 0.8356, 12.0105
Hunter-Lab	86.4810, 4.0408, 3.0392

# Details

The Yxy color  $74.7897, 0.3218, 0.3197$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $83.1763, 0.3045, 0.3385$ , and the grayscale version is  $76.2794, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $39.7584, 0.3236, 0.3170$  is the 20% darker color. If you saturate the color by 10%, you get  $62.4261, 0.3343, 0.3085$ , and if you desaturate by 10%, it is  $89.0263, 0.3116, 0.3303$ .

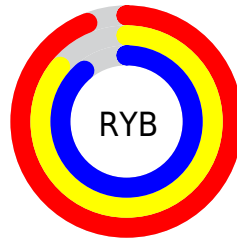
# Distribution



Red (94%)

Green (86%)

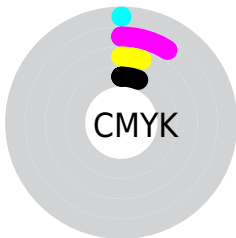
Blue (89%)



Red (94%)

Yellow (86%)

Blue (89%)

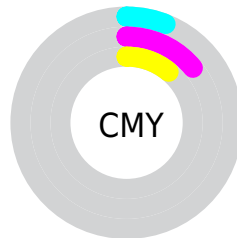


Cyan (0%)

Magenta (9%)

Yellow (5%)

Black (6%)



Cyan (6%)

Magenta (14%)


Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.7897, 0.3218, 0.3197 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 74.7897, 0.3218, 0.3197 by changing the saturation by 10% instead.



 74.7897, 0.3218,  
0.3197

 74.7897, 0.3218,  
0.3197

477.1944, 0.3176,  
0.3240

 55.4406, 0.3227,  
0.3187


126.0146, 0.3204,  
0.3212

 39.7546, 0.3239,  
0.3175


158.6593, 0.3198,  
0.3217

 27.3473, 0.3254,  
0.3161


196.5046, 0.3193,  
0.3222

 17.8342, 0.3273,  
0.3141

239.9349, 0.3189,  
0.3227

 10.8310, 0.3299,  
0.3115

289.3346, 0.3185,  
0.3231

 5.9533, 0.3336,  
0.3077

345.0882, 0.3182,

 2.8167, 0.3394,

0.3234

0.3019

407.5800, 0.3179,  
0.3237

■ 1.0368, 0.3497,  
0.2918

■ 0.0000, 0.7767,  
0.0000

■ 74.7897, 0.3218,  
0.3197

■ 74.7897, 0.3218,  
0.3197

■ 62.4261, 0.3343,  
0.3085

■ 89.0263, 0.3116,  
0.3303

■ 51.8475, 0.3493,  
0.2969

■ 97.2730, 0.3036,  
0.3290

■ 42.9732, 0.3674,  
0.2854

■ 35.7124, 0.3888,  
0.2745

■ 29.9660, 0.4135,  
0.2653

■ 25.6236, 0.4409,  
0.2590

■ 22.5598, 0.4702,  
0.2569

■ 20.6263, 0.4995,  
0.2600

■ 19.6050, 0.5269,  
0.2683

# Harmonies

## Analogous

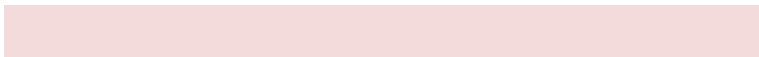
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.7897, 0.3111, 0.3133



74.7897, 0.3218, 0.3197



74.7897, 0.3301, 0.3286

# Triad

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



74.7897, 0.3218, 0.3197



74.7897, 0.3243, 0.3477



74.7897, 0.2922, 0.3198

# Complementary

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



74.7897, 0.3218, 0.3197



83.1763, 0.3045, 0.3385

# 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.



74.7897, 0.2956, 0.3291



74.7897, 0.3218, 0.3197



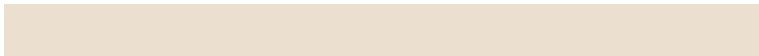
74.7897, 0.3140, 0.3455

# Square

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



74.7897, 0.3218, 0.3197



74.7897, 0.3316, 0.3448



74.7897, 0.3035, 0.3386



74.7897, 0.2941, 0.3131



# Rectangle

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



74.7897, 0.3218, 0.3197



74.7897, 0.3332, 0.3348



74.7897, 0.3035, 0.3386



74.7897, 0.2927, 0.3227

# Sweetspot

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



74.7930, 0.3218, 0.3197



94.9371, 0.3157, 0.3259



73.9282, 0.3073, 0.3071



20.0380, 0.3165, 0.3250



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

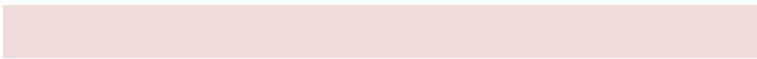
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.7930, 0.3218, 0.3197



82.4001, 0.3244, 0.3172



75.0409, 0.3278, 0.3305



15.8711, 0.3226, 0.3189



10.6993, 0.5262, 0.2672



0.9096, 0.4927, 0.2488



# Inverse Universe

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



74.7930, 0.3218, 0.3197



82.4001, 0.3244, 0.3172



82.8753, 0.2992, 0.3275



15.8711, 0.3226, 0.3189



10.6993, 0.5262, 0.2672

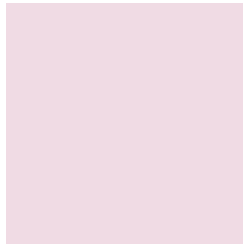


0.9096, 0.4927, 0.2488



# Previews

## White Background



This preview shows how the Yxy color 74.7897, 0.3218, 0.3197 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

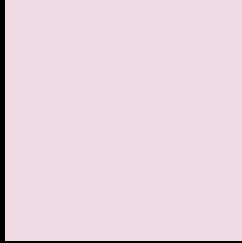
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.7897, 0.3218, 0.3197 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

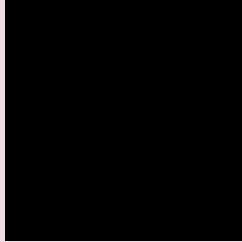
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

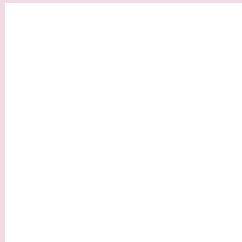
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.7897, 0.3218, 0.3197**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.7897, 0.3218, 0.3197.

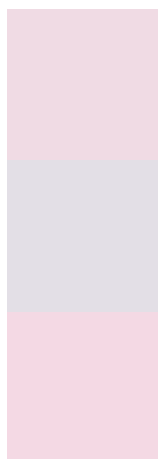


This preview shows how white text looks on a background with the Yxy color 74.7897, 0.3218, 0.3197.

# 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

74.7897, 0.3218, 0.3197

### Protanopia

74.8194, 0.3110, 0.3216

### Deuteranopia

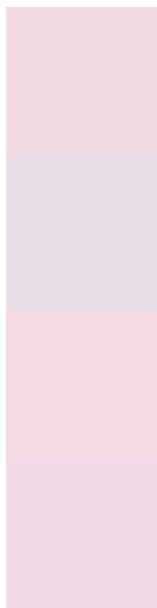
74.4602, 0.3248, 0.3177



## Tritanopia

74.8417, 0.3178, 0.3116

# Trichromacy



## Original Color

74.7897, 0.3218, 0.3197

## Protanomaly

75.0555, 0.3152, 0.3217

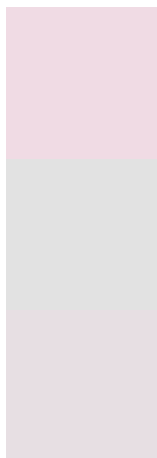
## Deuteranomaly

74.7989, 0.3240, 0.3187

## Tritanomaly

74.6698, 0.3198, 0.3146

# Monochromacy



## Original Color

74.7897, 0.3218, 0.3197

## Achromatopsia

76.0525, 0.3127, 0.3290

## Achromatomaly

75.3103, 0.3157, 0.3248

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.7897, 0.3218, 0.3197 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(240, 219, 228)` looks like.

```
.text, #text, p{  
    color:rgb(240, 219, 228)  
}
```

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(240, 219, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 219, 228) }
```

## Border

The CSS property to change the border of an element to Yxy 74.7897, 0.3218, 0.3197 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(240, 219, 228) }
```

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

```
.border{ border-color:rgb(240, 219, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 219, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 219, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 219, 228);  
box-shadow:4px 4px 4px 4px rgb(240, 219,  
228) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.7897, 0.3218, 0.3197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 219, 228) }
```

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

```
.background{ background-color: rgb(240,  
219, 228) }
```

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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