

# Converting Colors

$Y_{xy}(75.7832, 0.3172, 0.3175)$

Have a look what the booklet for  
Yxy(75.7832, 0.3172, 0.3175)  
contains.

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# Color

**Yxy(75.7162, 0.3175, 0.3176)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEDDE8
RGB	238, 221, 232
RGB Percent	93%, 87%, 91%
CMY	0.0666, 0.1334, 0.0901
CMYK	0.00, 0.07, 0.03, 0.07
HSL	321°, 33%, 90%
HSV	321°, 7%, 93%
XYZ	75.6924, 75.7162, 86.9926
YIQ	227.3370, 6.6010, 7.0250

# Conversions

## Conversions Part 2

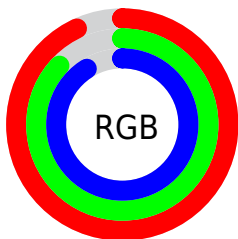
Format	Color
R <sub>Y</sub> B	238, 221, 232
Decimal	15654376
CIE Lab	89.73, 7.73, -3.29
CIE LCh	90, 8.406, 336.930
Yxy	75.7162, 0.3175, 0.3176
Android (android.graphics.Color)	4293844456 (0xFFEEDDE8)
YUV	227.3370, 2.2989, 9.3515
Hunter-Lab	87.0151, 2.9966, 1.6359

# Details

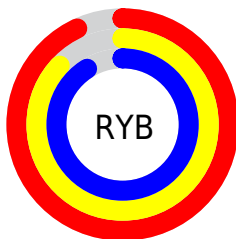
The Yxy color **75.7162, 0.3175, 0.3176** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **82.0827, 0.3082, 0.3407**, and the grayscale version is **77.0588, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.3521, 0.3189, 0.3157** is the 20% darker color. If you saturate the color by 10%, you get **63.5642, 0.3253, 0.3010**, and if you desaturate by 10%, it is **89.6794, 0.3110, 0.3334**.

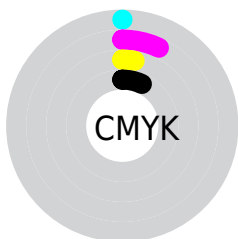
# Distribution



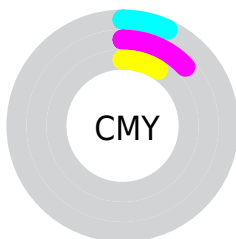
- Red (93%)
- Green (87%)
- Blue (91%)



- Red (93%)
- Yellow (87%)
- Blue (91%)



- Cyan (0%)
- Magenta (7%)
- Yellow (3%)
- Black (7%)




- Cyan (7%)
- Magenta (13%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.7162, 0.3175, 0.3176 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 75.7162, 0.3175, 0.3176 by changing the saturation by 10% instead.




 75.7162, 0.3175,  
0.3176

 75.7162, 0.3175,  
0.3176


480.3756, 0.3153,  
0.3228

 56.1998, 0.3180,  
0.3164


127.3257, 0.3168,  
0.3194

 40.3632, 0.3186,  
0.3150


160.1875, 0.3165,  
0.3201

 27.8218, 0.3193,  
0.3132


198.2667, 0.3162,  
0.3207

 18.1914, 0.3203,  
0.3108

241.9475, 0.3160,  
0.3212

 11.0875, 0.3216,  
0.3077

291.6145, 0.3158,  
0.3217

 6.1257, 0.3235,  
0.3032

347.6519, 0.3156,

 2.9217, 0.3263,

0.3221

0.2964

410.4441, 0.3155,  
0.3225

■ 1.0910, 0.3312,  
0.2846

■ 0.0000, 0.4478,  
0.0000

■ 75.7162, 0.3175,  
0.3176

■ 75.7162, 0.3175,  
0.3176

■ 63.5642, 0.3253,  
0.3010

■ 89.6794, 0.3110,  
0.3334

■ 53.1386, 0.3344,  
0.2839

■ 96.5287, 0.3058,  
0.3351

■ 44.3625, 0.3451,  
0.2669

■ 96.9222, 0.3024,  
0.3290

■ 37.1493, 0.3573,  
0.2506

■ 31.4046, 0.3709,  
0.2361

■ 27.0236, 0.3858,  
0.2245

■ 23.8874, 0.4014,  
0.2170

■ 21.8567, 0.4172,  
0.2143

■ 20.7508, 0.4326,  
0.2168

# Harmonies

## Analogous

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



75.7162, 0.3074, 0.3129



75.7162, 0.3175, 0.3176



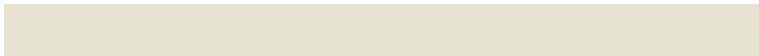
75.7162, 0.3265, 0.3253

# Triad

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



75.7162, 0.3175, 0.3176



75.7162, 0.3267, 0.3460



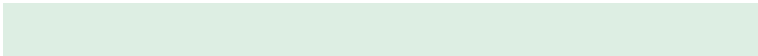
75.7162, 0.2941, 0.3235

# Complementary

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



75.7162, 0.3175, 0.3176



82.0827, 0.3082, 0.3407

# 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.



75.7162, 0.2991, 0.3326



75.7162, 0.3175, 0.3176



75.7162, 0.3178, 0.3458

# Square

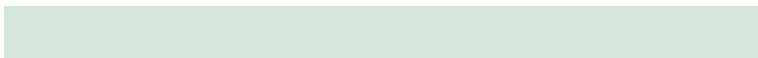
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.7162, 0.3175, 0.3176



75.7162, 0.3318, 0.3416



75.7162, 0.3078, 0.3409



75.7162, 0.2940, 0.3161

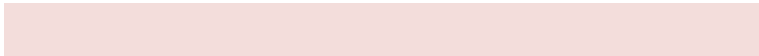


# Rectangle

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



75.7162, 0.3175, 0.3176



75.7162, 0.3305, 0.3311



75.7162, 0.3078, 0.3409



75.7162, 0.2953, 0.3265

# Sweetspot

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



75.7195, 0.3175, 0.3176



96.6740, 0.3140, 0.3259



74.2077, 0.3058, 0.3111



20.7270, 0.3139, 0.3260



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.



75.7195, 0.3175, 0.3176



85.7120, 0.3189, 0.3145



75.2488, 0.3232, 0.3264



15.9314, 0.3192, 0.3138



11.4723, 0.4346, 0.2168



0.9732, 0.4157, 0.2064



# Inverse Universe

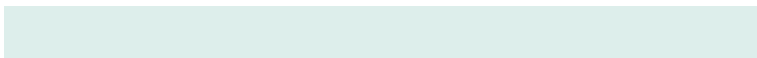
The Inverse Universe completely reimagines the original color for something new.



75.7195, 0.3175, 0.3176



85.7120, 0.3189, 0.3145



82.5628, 0.3031, 0.3317



15.9314, 0.3192, 0.3138



11.4723, 0.4346, 0.2168

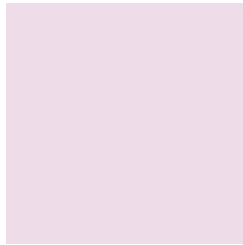


0.9732, 0.4157, 0.2064



# Previews

## White Background



This preview shows how the Yxy color 75.7162, 0.3175, 0.3176 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

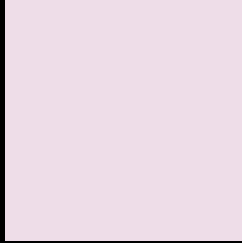
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.7162, 0.3175, 0.3176 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

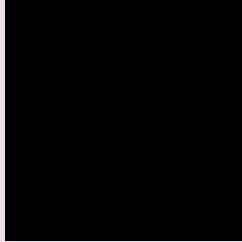
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

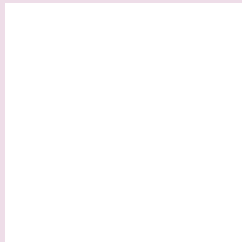
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 75.7162, 0.3175, 0.3176**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.7162, 0.3175, 0.3176.

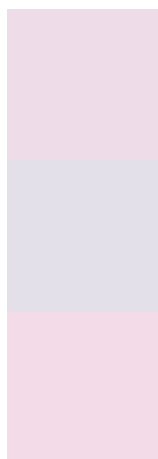


This preview shows how white text looks on a background with the Yxy color 75.7162, 0.3175, 0.3176.

# 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

75.7162, 0.3175, 0.3176

### Protanopia

75.5827, 0.3084, 0.3185

### Deuteranopia

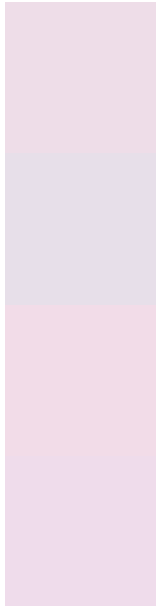
75.7223, 0.3219, 0.3157



## Tritanopia

75.6515, 0.3149, 0.3116

# Trichromacy



## Original Color

75.7162, 0.3175, 0.3176

## Protanomaly

75.6475, 0.3118, 0.3185

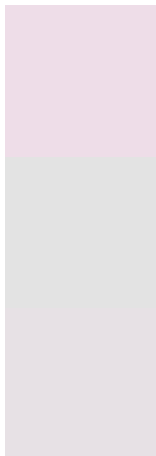
## Deuteranomaly

75.8898, 0.3204, 0.3167

## Tritanomaly

75.5353, 0.3163, 0.3136

# Monochromacy



## Original Color

75.7162, 0.3175, 0.3176

## Achromatopsia

76.8151, 0.3127, 0.3290

## Achromatomaly

76.4965, 0.3143, 0.3248

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.7162, 0.3175, 0.3176 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, 221, 232)` looks like.

```
.text, #text, p{  
    color:rgb(238, 221, 232)  
}
```

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, 221, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 221, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 75.7162, 0.3175, 0.3176 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, 221, 232) }
```

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

```
.border{ border-color:rgb(238, 221, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 221, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 221, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 221, 232);  
box-shadow:4px 4px 4px 4px rgb(238, 221,  
232) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.7162, 0.3175, 0.3176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 221, 232) }
```

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

```
.background{ background-color: rgb(238,  
221, 232) }
```

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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