

# Converting Colors

$Y_{xy}(75.0542, 0.3219, 0.3221)$

Have a look what the booklet for  
Yxy(75.0542, 0.3219, 0.3221)  
contains.

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# Color

**Yxy(75.0832, 0.3216, 0.3218)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFDCE3
RGB	239, 220, 227
RGB Percent	94%, 86%, 89%
CMY	0.0630, 0.1371, 0.1098
CMYK	0.00, 0.08, 0.05, 0.06
HSL	338°, 37%, 90%
HSV	338°, 8%, 94%
XYZ	75.0365, 75.0832, 83.2028
YIQ	226.4790, 9.0770, 6.2050

# Conversions

## Conversions Part 2

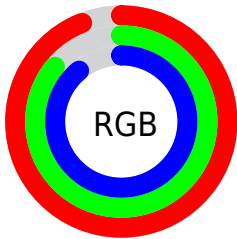
Format	Color
R <sub>Y</sub> B	239, 220, 227
Decimal	15719651
CIE Lab	89.43, 7.66, -1.07
CIE LCh	89, 7.739, 352.065
Yxy	75.0832, 0.3216, 0.3218
Android (android.graphics.Color)	4293909731 (0xFFEFDCE3)
YUV	226.4790, 0.2569, 10.9809
Hunter-Lab	86.6506, 2.9366, 3.7245

# Details

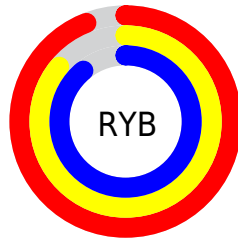
The Yxy color **75.0832, 0.3216, 0.3218** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **82.7384, 0.3046, 0.3363**, and the grayscale version is **76.4075, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **39.9561, 0.3234, 0.3197** is the 20% darker color. If you saturate the color by 10%, you get **62.6286, 0.3351, 0.3122**, and if you desaturate by 10%, it is **89.4099, 0.3106, 0.3308**.

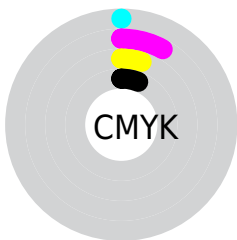
# Distribution



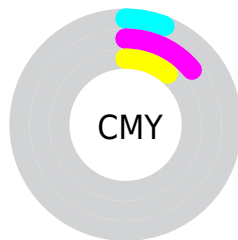
- Red (94%)
- Green (86%)
- Blue (89%)



- Red (94%)
- Yellow (86%)
- Blue (89%)



- Cyan (0%)
- Magenta (8%)
- Yellow (5%)
- Black (6%)




- Cyan (6%)
- Magenta (14%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.0832, 0.3216, 0.3218 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 75.0832, 0.3216, 0.3218 by changing the saturation by 10% instead.



 75.0832, 0.3216,  
0.3218

 75.0832, 0.3216,  
0.3218


478.2035, 0.3175,  
0.3251

 55.6811, 0.3225,  
0.3211

126.4301, 0.3202,  
0.3229

 39.9473, 0.3237,  
0.3201


159.1437, 0.3196,  
0.3234

 27.4974, 0.3251,  
0.3190

197.0632, 0.3192,  
0.3238

 17.9472, 0.3270,  
0.3174

240.5730, 0.3188,  
0.3241

 10.9121, 0.3296,  
0.3154

290.0576, 0.3184,  
0.3244

 6.0077, 0.3332,  
0.3125

345.9012, 0.3181,

 2.8498, 0.3390,

0.3247

0.3079

408.4884, 0.3178,  
0.3249

■ 1.0538, 0.3491,  
0.2999

■ 0.0000, 0.9534,  
0.0000

■ 75.0832, 0.3216,  
0.3218

■ 75.0832, 0.3216,  
0.3218

■ 62.6286, 0.3351,  
0.3122

■ 89.4099, 0.3106,  
0.3308

■ 51.9588, 0.3515,  
0.3022

■ 97.0790, 0.3029,  
0.3290

■ 42.9940, 0.3713,  
0.2922

■ 35.6447, 0.3949,  
0.2828

■ 29.8130, 0.4224,  
0.2749

■ 25.3903, 0.4532,  
0.2696

■ 22.2534, 0.4861,  
0.2683

■ 20.2575, 0.5188,  
0.2721

■ 19.2051, 0.5487,  
0.2808

# Harmonies

## Analogous

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



75.0832, 0.3125, 0.3159



75.0832, 0.3216, 0.3218



75.0832, 0.3284, 0.3296

# Triad

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



75.0832, 0.3216, 0.3218



75.0832, 0.3218, 0.3451



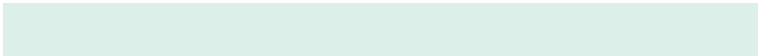
75.0832, 0.2949, 0.3202

# Complementary

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



75.0832, 0.3216, 0.3218



82.7384, 0.3046, 0.3363

# 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.



75.0832, 0.2973, 0.3281



75.0832, 0.3216, 0.3218



75.0832, 0.3128, 0.3427

# Square

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



75.0832, 0.3216, 0.3218



75.0832, 0.3285, 0.3432



75.0832, 0.3038, 0.3364



75.0832, 0.2971, 0.3148

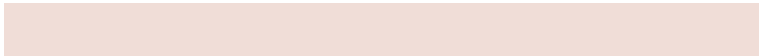


# Rectangle

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



75.0832, 0.3216, 0.3218



75.0832, 0.3306, 0.3350



75.0832, 0.3038, 0.3364



75.0832, 0.2952, 0.3226

# Sweetspot

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



75.0865, 0.3216, 0.3218



96.5833, 0.3148, 0.3272



74.5333, 0.3086, 0.3093



20.7086, 0.3147, 0.3273



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

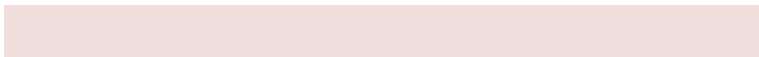
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.0865, 0.3216, 0.3218



85.3225, 0.3230, 0.3208



75.8753, 0.3261, 0.3313



15.8551, 0.3235, 0.3203



10.5536, 0.5505, 0.2806



0.8965, 0.5144, 0.2608



# Inverse Universe

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



75.0865, 0.3216, 0.3218



85.3225, 0.3230, 0.3208



81.8588, 0.3005, 0.3267



15.8551, 0.3235, 0.3203



10.5536, 0.5505, 0.2806

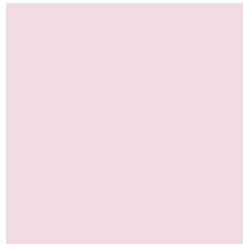


0.8965, 0.5144, 0.2608



# Previews

## White Background



This preview shows how the Yxy color 75.0832, 0.3216, 0.3218 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

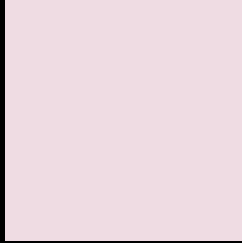
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.0832, 0.3216, 0.3218 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

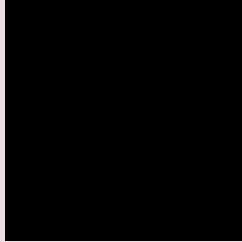
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

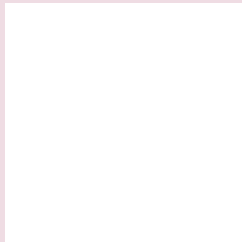
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 75.0832, 0.3216, 0.3218**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.0832, 0.3216, 0.3218.

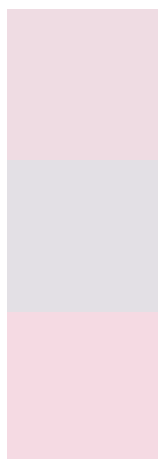


This preview shows how white text looks on a background with the Yxy color 75.0832, 0.3216, 0.3218.

# 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

75.0832, 0.3216, 0.3218

### Protanopia

75.2993, 0.3116, 0.3237

### Deuteranopia

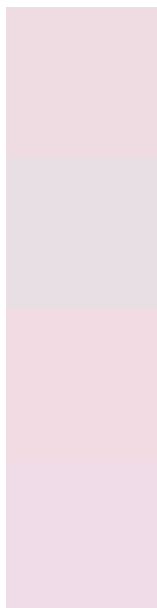
75.1013, 0.3262, 0.3198



## Tritanopia

75.2444, 0.3164, 0.3116

# Trichromacy



## Original Color

75.0832, 0.3216, 0.3218

## Protanomaly

75.3657, 0.3151, 0.3237

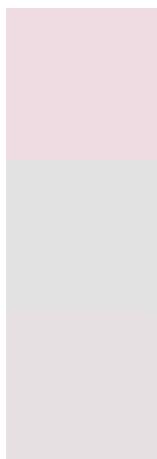
## Deuteranomaly

75.2638, 0.3246, 0.3208

## Tritanomaly

75.0715, 0.3184, 0.3146

# Monochromacy



## Original Color

75.0832, 0.3216, 0.3218

## Achromatopsia

76.0525, 0.3127, 0.3290

## Achromatomaly

75.7912, 0.3163, 0.3269

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.0832, 0.3216, 0.3218 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(239, 220, 227)` looks like.

```
.text, #text, p{  
    color:rgb(239, 220, 227)  
}
```

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(239, 220, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 220, 227) }
```

## Border

The CSS property to change the border of an element to Yxy 75.0832, 0.3216, 0.3218 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(239, 220, 227) }
```

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

```
.border{ border-color:rgb(239, 220, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 220, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(239, 220, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(239, 220, 227); box-shadow:4px 4px 4px 4px rgb(239, 220, 227) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.0832, 0.3216, 0.3218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 220, 227) }
```

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

```
.background{ background-color: rgb(239,  
220, 227) }
```

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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