

# Converting Colors

$Y_{xy}(75.7695, 0.3356, 0.3277)$

Have a look what the booklet for  
Yxy(75.7695, 0.3356, 0.3277)  
contains.

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# Color

**Yxy(75.7665, 0.3362, 0.3281)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBDADB
RGB	251, 218, 219
RGB Percent	98%, 85%, 86%
CMY	0.0157, 0.1451, 0.1413
CMYK	0.00, 0.13, 0.13, 0.02
HSL	358°, 80%, 92%
HSV	358°, 13%, 98%
XYZ	77.6370, 75.7665, 77.5215
YIQ	227.9810, 19.3470, 7.3070

# Conversions

## Conversions Part 2

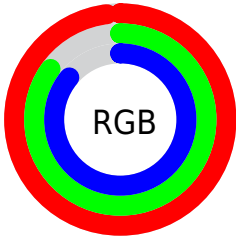
Format	Color
R <sub>Y</sub> B	251, 218, 219
Decimal	16505563
CIE Lab	89.75, 11.57, 3.74
CIE LCh	90, 12.158, 17.923
Yxy	75.7665, 0.3362, 0.3281
Android (android.graphics.Color)	4294695643 (0xFFFBDADB)
YUV	227.9810, -4.4276, 20.1877
Hunter-Lab	87.0440, 6.8823, 8.1270

# Details

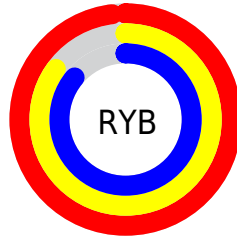
The Yxy color **75.7665, 0.3362, 0.3281** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **90.8076, 0.2931, 0.3299**, and the grayscale version is **77.5914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.3441, 0.3416, 0.3278** is the 20% darker color. If you saturate the color by 10%, you get **62.5309, 0.3594, 0.3274**, and if you desaturate by 10%, it is **91.1681, 0.3177, 0.3288**.

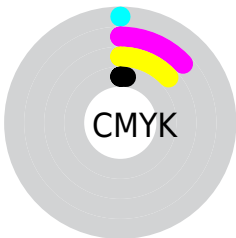
# Distribution



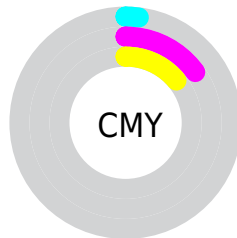
- Red (98%)
- Green (85%)
- Blue (86%)



- Red (98%)
- Yellow (85%)
- Blue (86%)



- Cyan (0%)
- Magenta (13%)
- Yellow (13%)
- Black (2%)




- Cyan (2%)
- Magenta (15%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.7665, 0.3362, 0.3281 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 75.7665, 0.3362, 0.3281 by changing the saturation by 10% instead.



 75.7665, 0.3362,  
0.3281

 75.7665, 0.3362,  
0.3281

480.5480, 0.3254,  
0.3286

 56.2411, 0.3387,  
0.3280


127.3968, 0.3324,  
0.3283

 40.3962, 0.3417,  
0.3278


160.2704, 0.3310,  
0.3284

 27.8476, 0.3456,  
0.3275


198.3622, 0.3297,  
0.3284

 18.2108, 0.3507,  
0.3272

242.0567, 0.3286,  
0.3285

 11.1015, 0.3575,  
0.3267

291.7380, 0.3277,  
0.3285

 6.1351, 0.3675,  
0.3259

347.7908, 0.3268,

 2.9274, 0.3830,

0.3286

0.3243

410.5993, 0.3260,  
0.3286

1.0940, 0.4108,  
0.3210

0.0000, 1.0000,  
0.0000

75.7665, 0.3362,  
0.3281

75.7665, 0.3362,  
0.3281

62.5309, 0.3594,  
0.3274

91.1681, 0.3177,  
0.3288

51.3546, 0.3882,  
0.3267

99.2495, 0.3102,  
0.3290

42.1373, 0.4235,  
0.3260

34.7661, 0.4654,  
0.3256

■ 29.1168, 0.5121,  
0.3255

■ 25.0496, 0.5594,  
0.3258

■ 22.4035, 0.6005,  
0.3268

■ 20.9826, 0.6281,  
0.3282

■ 20.5253, 0.6380,  
0.3288

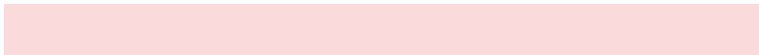
# Harmonies

## Analogous

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



75.7665, 0.3247, 0.3163



75.7665, 0.3362, 0.3281



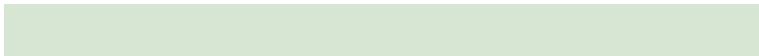
75.7665, 0.3412, 0.3404

# Triad

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



75.7665, 0.3362, 0.3281



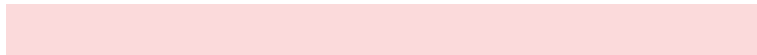
75.7665, 0.3147, 0.3516



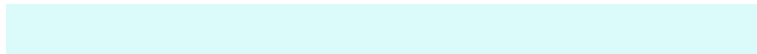
75.7665, 0.2875, 0.3076

# Complementary

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



75.7665, 0.3362, 0.3281



90.8076, 0.2931, 0.3299

# 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.



75.7665, 0.2850, 0.3166



75.7665, 0.3362, 0.3281



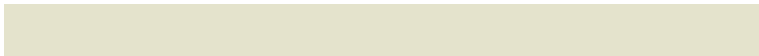
75.7665, 0.3005, 0.3422

# Square

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



75.7665, 0.3362, 0.3281



75.7665, 0.3286, 0.3544



75.7665, 0.2897, 0.3293



75.7665, 0.2966, 0.3045

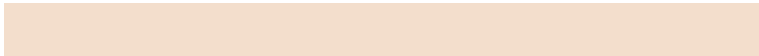


# Rectangle

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



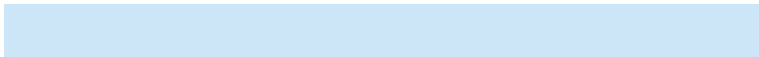
75.7665, 0.3362, 0.3281



75.7665, 0.3402, 0.3474



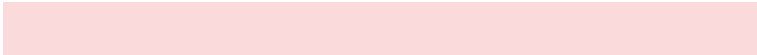
75.7665, 0.2897, 0.3293



75.7665, 0.2859, 0.3100

# Sweetspot

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



75.7699, 0.3362, 0.3281



93.0422, 0.3191, 0.3287



77.4190, 0.3135, 0.2964



19.6437, 0.3204, 0.3287



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

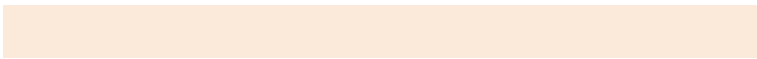
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.7699, 0.3362, 0.3281



74.3800, 0.3423, 0.3279



84.0800, 0.3348, 0.3445



17.2333, 0.3290, 0.3284



10.7924, 0.6371, 0.3283



1.0023, 0.6299, 0.3243



# Inverse Universe

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



75.7699, 0.3362, 0.3281



74.3800, 0.3423, 0.3279



81.6361, 0.2922, 0.3130



17.2333, 0.3290, 0.3284



10.7924, 0.6371, 0.3283

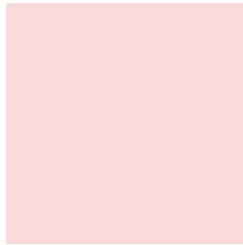


1.0023, 0.6299, 0.3243



# Previews

## White Background



This preview shows how the Yxy color 75.7665, 0.3362, 0.3281 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

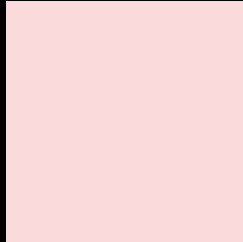
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.7665, 0.3362, 0.3281 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

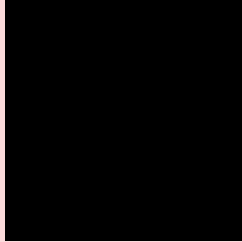
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

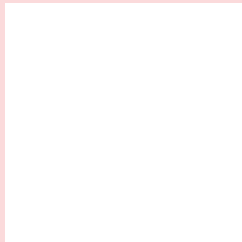
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 75.7665, 0.3362, 0.3281**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.7665, 0.3362, 0.3281.



This preview shows how white text looks on a background with the Yxy color 75.7665, 0.3362, 0.3281.

# 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

75.7665, 0.3362, 0.3281

### Protanopia

76.0011, 0.3175, 0.3311

### Deuteranopia

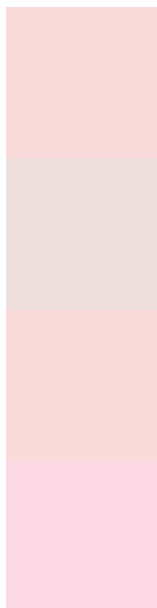
75.5813, 0.3354, 0.3280



## Tritanopia

75.8776, 0.3280, 0.3120

# Trichromacy



## Original Color

75.7665, 0.3362, 0.3281

## Protanomaly

75.6936, 0.3241, 0.3290

## Deuteranomaly

75.5813, 0.3354, 0.3280

## Tritanomaly

75.9226, 0.3307, 0.3180

# Monochromacy



## Original Color

75.7665, 0.3362, 0.3281

## Achromatopsia

77.5822, 0.3127, 0.3290

## Achromatomaly

76.5804, 0.3205, 0.3280

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.7665, 0.3362, 0.3281 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(251, 218, 219)` looks like.

```
.text, #text, p{  
    color:rgb(251, 218, 219)  
}
```

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(251, 218, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 218, 219) }
```

## Border

The CSS property to change the border of an element to Yxy 75.7665, 0.3362, 0.3281 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(251, 218, 219) }
```

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

```
.border{ border-color:rgb(251, 218, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 218, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 218, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 218, 219);  
box-shadow:4px 4px 4px 4px rgb(251, 218,  
219) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.7665, 0.3362, 0.3281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 218, 219) }
```

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

```
.background{ background-color: rgb(251,  
218, 219) }
```

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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