

# Converting Colors

$Y_{xy}(75.9723, 0.3247, 0.3178)$

Have a look what the booklet for  
Yxy(75.9723, 0.3247, 0.3178)  
contains.

<b>Yxy(75.9690, 0.3247, 0.3178)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(75.9690, 0.3247, 0.3178)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6DBE6
RGB	246, 219, 230
RGB Percent	96%, 86%, 90%
CMY	0.0354, 0.1411, 0.0979
CMYK	0.00, 0.11, 0.06, 0.04
HSL	335°, 60%, 91%
HSV	335°, 11%, 96%
XYZ	77.6184, 75.9690, 85.4591
YIQ	228.3270, 12.5610, 9.1450

# Conversions

## Conversions Part 2

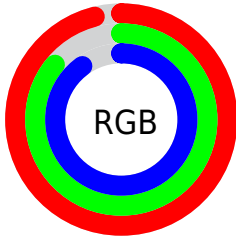
Format	Color
R <sub>Y</sub> B	246, 219, 230
Decimal	16178150
CIE Lab	89.84, 11.13, -1.99
CIE LCh	90, 11.303, 349.836
Yxy	75.9690, 0.3247, 0.3178
Android (android.graphics.Color)	4294368230 (0xFFFF6DBE6)
YUV	228.3270, 0.8248, 15.4992
Hunter-Lab	87.1602, 6.4285, 2.8793

# Details

The Yxy color **75.9690, 0.3247, 0.3178** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **86.9563, 0.3021, 0.3405**, and the grayscale version is **77.8235, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.5932, 0.3275, 0.3147** is the 20% darker color. If you saturate the color by 10%, you get **63.2878, 0.3381, 0.3070**, and if you desaturate by 10%, it is **90.6215, 0.3137, 0.3280**.

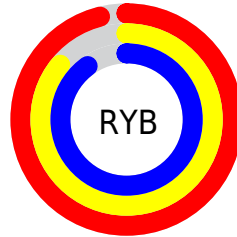
# Distribution



Red (96%)

Green (86%)

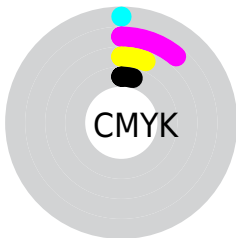
Blue (90%)



Red (96%)

Yellow (86%)

Blue (90%)

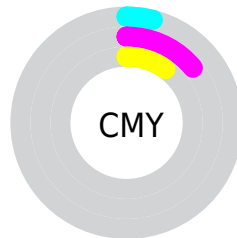


Cyan (0%)

Magenta (11%)

Yellow (6%)

Black (4%)



Cyan (4%)

Magenta (14%)


Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.9690, 0.3247, 0.3178 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 75.9690, 0.3247, 0.3178 by changing the saturation by 10% instead.




 75.9690, 0.3247,  
0.3178

 75.9690, 0.3247,  
0.3178


481.2416, 0.3192,  
0.3229

 56.4071, 0.3259,  
0.3166


127.6831, 0.3228,  
0.3196

 40.5294, 0.3275,  
0.3152


160.6040, 0.3221,  
0.3202

 27.9516, 0.3294,  
0.3135


198.7468, 0.3214,  
0.3208

 18.2891, 0.3319,  
0.3111

242.4958, 0.3209,  
0.3214

 11.1578, 0.3353,  
0.3080

292.2354, 0.3204,  
0.3218

 6.1731, 0.3401,  
0.3036

348.3499, 0.3200,

 2.9506, 0.3476,

0.3222

0.2969

411.2239, 0.3196,  
0.3226

■ 1.1060, 0.3607,  
0.2852

■ 0.0000, 0.6789,  
0.0000

■ 75.9690, 0.3247,  
0.3178

■ 75.9690, 0.3247,  
0.3178

■ 63.2878, 0.3381,  
0.3070

■ 90.6215, 0.3137,  
0.3280

■ 52.4834, 0.3544,  
0.2958

■ 98.3291, 0.3072,  
0.3290

■ 43.4683, 0.3740,  
0.2849

■ 36.1444, 0.3970,  
0.2748

■ 30.4037, 0.4234,  
0.2666

■ 26.1258, 0.4526,  
0.2615

■ 23.1727, 0.4833,  
0.2609

■ 21.3794, 0.5134,  
0.2657

■ 20.5198, 0.5386,  
0.2741

# Harmonies

## Analogous

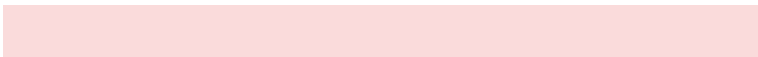
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.9690, 0.3113, 0.3096



75.9690, 0.3247, 0.3178



75.9690, 0.3350, 0.3289

# Triad

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



75.9690, 0.3247, 0.3178



75.9690, 0.3268, 0.3526



75.9690, 0.2869, 0.3168

# Complementary

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



75.9690, 0.3247, 0.3178



86.9563, 0.3021, 0.3405

# 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.



75.9690, 0.2909, 0.3285



75.9690, 0.3247, 0.3178



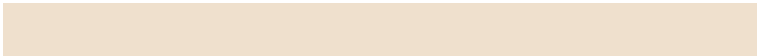
75.9690, 0.3137, 0.3495

# Square

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



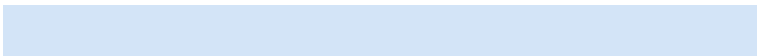
75.9690, 0.3247, 0.3178



75.9690, 0.3362, 0.3491



75.9690, 0.3006, 0.3406



75.9690, 0.2897, 0.3088

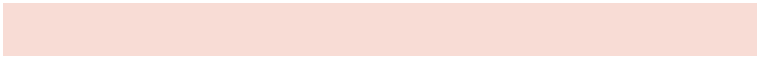


# Rectangle

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



75.9690, 0.3247, 0.3178



75.9690, 0.3386, 0.3367



75.9690, 0.3006, 0.3406



75.9690, 0.2875, 0.3204

# Sweetspot

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



75.9723, 0.3247, 0.3178



94.9279, 0.3157, 0.3260



74.9390, 0.3062, 0.3013



20.0355, 0.3166, 0.3252



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.



75.9723, 0.3247, 0.3178



79.4442, 0.3273, 0.3156



76.5530, 0.3321, 0.3314



16.5948, 0.3229, 0.3194



10.9809, 0.5344, 0.2717



0.9850, 0.5016, 0.2537



# Inverse Universe

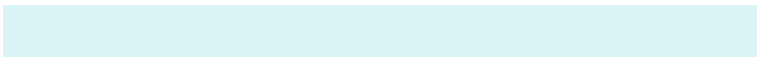
The Inverse Universe completely reimagines the original color for something new.



75.9723, 0.3247, 0.3178



79.4442, 0.3273, 0.3156



86.2544, 0.2958, 0.3266



16.5948, 0.3229, 0.3194



10.9809, 0.5344, 0.2717

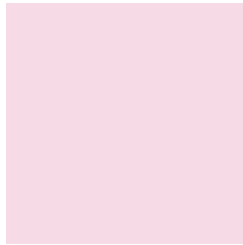


0.9850, 0.5016, 0.2537



# Previews

## White Background



This preview shows how the Yxy color 75.9690, 0.3247, 0.3178 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

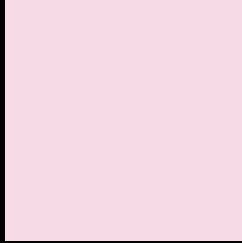
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.9690, 0.3247, 0.3178 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

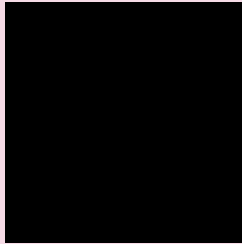
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 75.9690, 0.3247, 0.3178**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.9690, 0.3247, 0.3178.

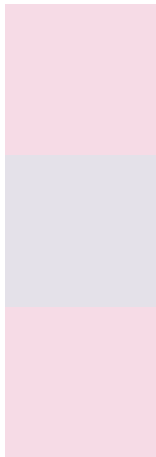


This preview shows how white text looks on a background with the Yxy color 75.9690, 0.3247, 0.3178.

# 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

75.9690, 0.3247, 0.3178

### Protanopia

76.2276, 0.3096, 0.3206

### Deuteranopia

75.9690, 0.3247, 0.3178



## Tritanopia

75.9151, 0.3221, 0.3118

# Trichromacy



## Original Color

75.9690, 0.3247, 0.3178

## Protanomaly

76.2637, 0.3153, 0.3197

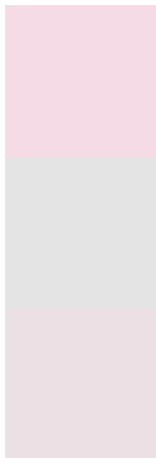
## Deuteranomaly

75.9690, 0.3247, 0.3178

## Tritanomaly

75.8002, 0.3235, 0.3138

# Monochromacy



## Original Color

75.9690, 0.3247, 0.3178

## Achromatopsia

77.5822, 0.3127, 0.3290

## Achromatomaly

77.1697, 0.3171, 0.3249

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.9690, 0.3247, 0.3178 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(246, 219, 230)` looks like.

```
.text, #text, p{  
    color:rgb(246, 219, 230)  
}
```

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(246, 219, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 219, 230) }
```

## Border

The CSS property to change the border of an element to Yxy 75.9690, 0.3247, 0.3178 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(246, 219, 230) }
```

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

```
.border{ border-color:rgb(246, 219, 230) }
```

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

Here you see how a box with a 4 pixel rgb(246, 219, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 219, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 219, 230);  
box-shadow:4px 4px 4px 4px rgb(246, 219,  
230) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.9690, 0.3247, 0.3178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 219, 230) }
```

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

```
.background{ background-color: rgb(246,  
219, 230) }
```

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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