

# Converting Colors

Yxy(77.9669, 0.3291, 0.3154)

Have a look what the booklet for  
Yxy(77.9669, 0.3291, 0.3154)  
contains.

<b>Yxy(77.8062, 0.3292, 0.3151)</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(77.8062, 0.3292, 0.3151)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDBE9
RGB	255, 219, 233
RGB Percent	100%, 86%, 91%
CMY	0.0000, 0.1412, 0.0862
CMYK	0.00, 0.14, 0.09, 0.00
HSL	337°, 100%, 93%
HSV	337°, 14%, 100%
XYZ	81.2878, 77.8062, 87.8314
YIQ	231.3600, 16.9620, 11.9860

# Conversions

## Conversions Part 2

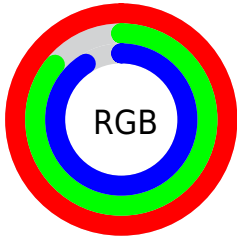
Format	Color
R <sub>Y</sub> B	255, 219, 233
Decimal	16767977
CIE Lab	90.69, 14.73, -2.23
CIE LCh	91, 14.896, 351.404
Yxy	77.8062, 0.3292, 0.3151
Android (android.graphics.Color)	4294958057 (0xFFFFDBE9)
YUV	231.3600, 0.8085, 20.7323
Hunter-Lab	88.2078, 10.1328, 2.7085

# Details

The Yxy color **77.8062, 0.3292, 0.3151** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **92.9293, 0.2987, 0.3433**, and the grayscale version is **80.1753, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.7310, 0.3332, 0.3125** is the 20% darker color. If you saturate the color by 10%, you get **64.6518, 0.3440, 0.3046**, and if you desaturate by 10%, it is **93.0734, 0.3170, 0.3251**.

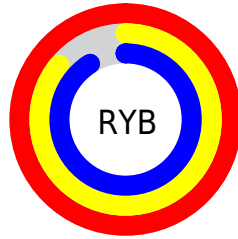
# Distribution



Red (100%)

Green (86%)

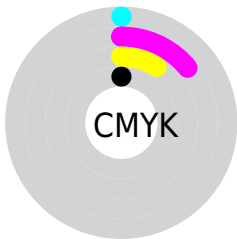
Blue (91%)



Red (100%)

Yellow (86%)

Blue (91%)

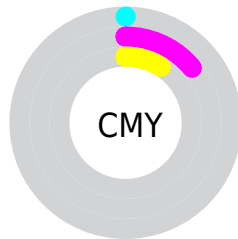


Cyan (0%)

Magenta (14%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (14%)


Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.8062, 0.3292, 0.3151 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 77.8062, 0.3292, 0.3151 by changing the saturation by 10% instead.




 77.8062, 0.3292,  
0.3151

 77.8062, 0.3292,  
0.3151


487.5084, 0.3217,  
0.3214

 57.9148, 0.3309,  
0.3137


130.2769, 0.3266,  
0.3173

 41.7401, 0.3330,  
0.3120


163.6250, 0.3256,  
0.3181

 28.8979, 0.3356,  
0.3098


202.2274, 0.3247,  
0.3188

 19.0036, 0.3390,  
0.3070

246.4685, 0.3240,  
0.3195

 11.6729, 0.3435,  
0.3032

296.7328, 0.3233,  
0.3201

 6.5213, 0.3500,  
0.2979

353.4046, 0.3227,

 3.1646, 0.3599,

0.3206

0.2899

416.8684, 0.3222,  
0.3210

■ 1.2183, 0.3770,  
0.2763

■ 0.0765, 0.5781,  
0.1023

■ 77.8062, 0.3292,  
0.3151

■ 77.8062, 0.3292,  
0.3151

■ 64.6518, 0.3440,  
0.3046

■ 93.0734, 0.3170,  
0.3251

■ 53.5213, 0.3619,  
0.2940

100.0000, 0.3127,  
0.3290

■ 44.3112, 0.3833,  
0.2837

■ 36.9109, 0.4085,  
0.2745

■ 31.1984, 0.4371,  
0.2677

■ 27.0366, 0.4683,  
0.2644

■ 24.2663, 0.5002,  
0.2659

■ 22.6932, 0.5306,  
0.2728

■ 22.1659, 0.5470,  
0.2787

# Harmonies

## Analogous

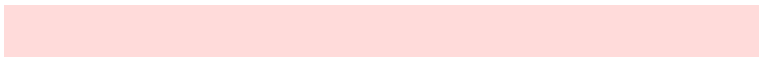
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.8062, 0.3117, 0.3042



77.8062, 0.3292, 0.3151



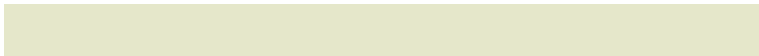
77.8062, 0.3425, 0.3296

# Triad

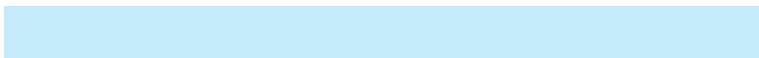
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.8062, 0.3292, 0.3151



77.8062, 0.3302, 0.3600



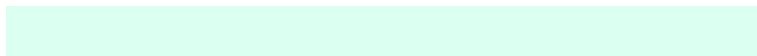
77.8062, 0.2791, 0.3122

# Complementary

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



77.8062, 0.3292, 0.3151



92.9293, 0.2987, 0.3433

# 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.



77.8062, 0.2838, 0.3273



77.8062, 0.3292, 0.3151



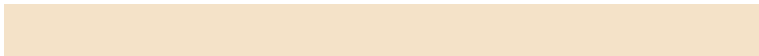
77.8062, 0.3130, 0.3556

# Square

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



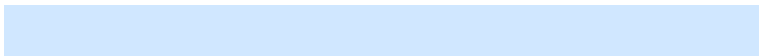
77.8062, 0.3292, 0.3151



77.8062, 0.3429, 0.3556



77.8062, 0.2961, 0.3434



77.8062, 0.2831, 0.3022

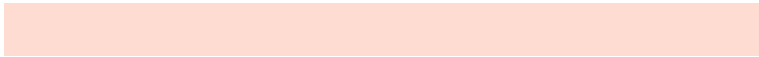


# Rectangle

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



77.8062, 0.3292, 0.3151



77.8062, 0.3469, 0.3396



77.8062, 0.2961, 0.3434



77.8062, 0.2797, 0.3168

# Sweetspot

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



77.8043, 0.3292, 0.3151



93.2691, 0.3169, 0.3252



76.5106, 0.3044, 0.2929



19.7010, 0.3177, 0.3245



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

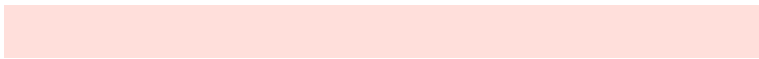
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.8043, 0.3292, 0.3151



73.8028, 0.3331, 0.3121



78.9338, 0.3385, 0.3327



18.1042, 0.3233, 0.3198



11.6093, 0.5428, 0.2764



1.1510, 0.5123, 0.2596



# Inverse Universe

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



77.8043, 0.3292, 0.3151



73.8028, 0.3331, 0.3121



91.5236, 0.2910, 0.3253



18.1042, 0.3233, 0.3198



11.6093, 0.5428, 0.2764

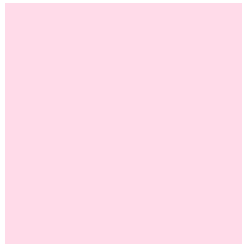


1.1510, 0.5123, 0.2596



# Previews

## White Background



This preview shows how the Yxy color 77.8062, 0.3292, 0.3151 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

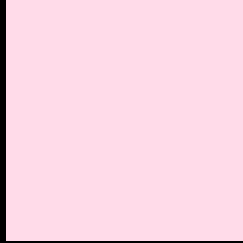
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.8062, 0.3292, 0.3151 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

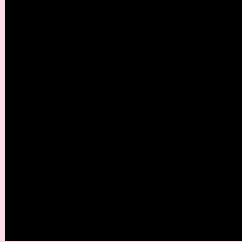
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 77.8062, 0.3292, 0.3151**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.8062, 0.3292, 0.3151.

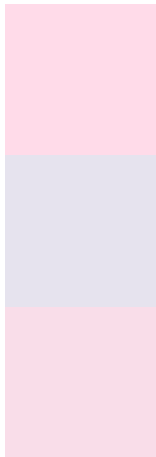


This preview shows how white text looks on a background with the Yxy color 77.8062, 0.3292, 0.3151.

# 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

77.8062, 0.3292, 0.3151

### Protanopia

77.9342, 0.3078, 0.3176

### Deuteranopia

77.7358, 0.3247, 0.3169



## Tritanopia

77.9792, 0.3271, 0.3122

# Trichromacy



## Original Color

77.8062, 0.3292, 0.3151

## Protanomaly

77.7182, 0.3154, 0.3167

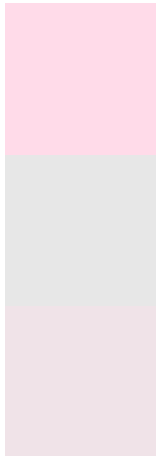
## Deuteranomaly

77.5788, 0.3262, 0.3160

## Tritanomaly

77.9212, 0.3278, 0.3132

# Monochromacy



## Original Color

77.8062, 0.3292, 0.3151

## Achromatopsia

79.9103, 0.3127, 0.3290

## Achromatomaly

79.2896, 0.3185, 0.3239

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.8062, 0.3292, 0.3151 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(255, 219, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 219, 233)  
}
```

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(255, 219, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 219, 233) }
```

## Border

The CSS property to change the border of an element to Yxy 77.8062, 0.3292, 0.3151 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(255, 219, 233) }
```

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

```
.border{ border-color:rgb(255, 219, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 219, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 219, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 219, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 219,  
233) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 77.8062, 0.3292, 0.3151$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 219, 233) }
```

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

```
.background{ background-color: rgb(255,  
219, 233) }
```

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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