

# Converting Colors

$Yxy(77.9704, 0.3323, 0.3206)$

Have a look what the booklet for  
Yxy(77.9704, 0.3323, 0.3206)  
contains.

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# Color

**Yxy(78.0478, 0.3325, 0.3211)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDCE4
RGB	255, 220, 228
RGB Percent	100%, 86%, 89%
CMY	0.0002, 0.1371, 0.1059
CMYK	0.00, 0.14, 0.11, 0.00
HSL	346°, 100%, 93%
HSV	346°, 14%, 100%
XYZ	80.8187, 78.0478, 84.1973
YIQ	231.3770, 18.2920, 9.9080

# Conversions

## Conversions Part 2

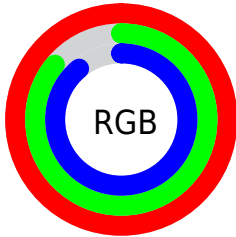
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 220, 228
Decimal	16768228
CIE <sub>Lab</sub>	90.80, 13.34, 0.57
CIE <sub>LCh</sub>	91, 13.350, 2.437
Yxy	78.0478, 0.3325, 0.3211
Android (android.graphics.Color)	4294958308 (0xFFFFDCE4)
YUV	231.3770, -1.6649, 20.7174
Hunter-Lab	88.3447, 8.6907, 5.3346

# Details

The Yxy color **78.0478, 0.3325, 0.3211** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **93.4150, 0.2960, 0.3371**, and the grayscale version is **80.2066, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.9332, 0.3367, 0.3188** is the 20% darker color. If you saturate the color by 10%, you get **64.6403, 0.3510, 0.3149**, and if you desaturate by 10%, it is **93.6272, 0.3175, 0.3269**.

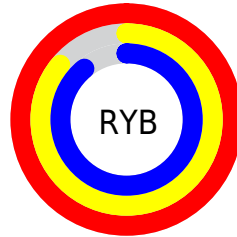
# Distribution



Red (100%)

Green (86%)

Blue (89%)



Red (100%)

Yellow (86%)

Blue (89%)

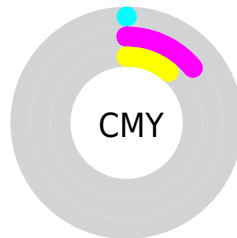


Cyan (0%)

Magenta (14%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (14%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.0478, 0.3325, 0.3211 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 78.0478, 0.3325, 0.3211 by changing the saturation by 10% instead.



 78.0478, 0.3325,  
0.3211

 78.0478, 0.3325,  
0.3211


488.3291, 0.3234,  
0.3247

 58.1132, 0.3345,  
0.3203

130.6175, 0.3294,  
0.3224

 41.8997, 0.3371,  
0.3193


164.0214, 0.3282,  
0.3228

 29.0228, 0.3402,  
0.3180

202.6840, 0.3271,  
0.3233

 19.0980, 0.3444,  
0.3163

246.9895, 0.3262,  
0.3236

 11.7411, 0.3500,  
0.3140

297.3223, 0.3254,  
0.3240

 6.5677, 0.3579,  
0.3108

354.0670, 0.3247,

 3.1932, 0.3702,

0.3243

0.3057

417.6078, 0.3240,  
0.3245

■ 1.2334, 0.3916,  
0.2969

■ 0.0888, 0.7378,  
0.1597

■ 78.0478, 0.3325,  
0.3211

■ 78.0478, 0.3325,  
0.3211

■ 64.6403, 0.3510,  
0.3149

■ 93.6272, 0.3175,  
0.3269

■ 53.2981, 0.3739,  
0.3087

99.9884, 0.3127,  
0.3290

■ 43.9211, 0.4016,  
0.3027

■ 36.3968, 0.4345,  
0.2976

■ 30.6010, 0.4721,  
0.2943

■ 26.3946, 0.5125,  
0.2938

■ 23.6165, 0.5522,  
0.2972

■ 22.0706, 0.5865,  
0.3044

■ 21.5554, 0.6040,  
0.3101

# Harmonies

## Analogous

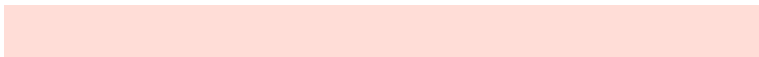
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.0478, 0.3178, 0.3098



78.0478, 0.3325, 0.3211



78.0478, 0.3420, 0.3346

# Triad

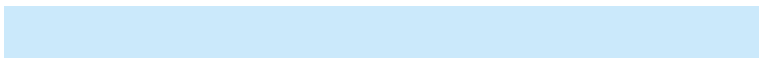
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.0478, 0.3325, 0.3211



78.0478, 0.3230, 0.3562



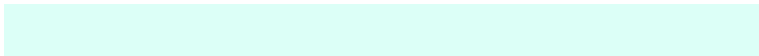
78.0478, 0.2830, 0.3101

# Complementary

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



78.0478, 0.3325, 0.3211



93.4150, 0.2960, 0.3371

# 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.



78.0478, 0.2843, 0.3222



78.0478, 0.3325, 0.3211



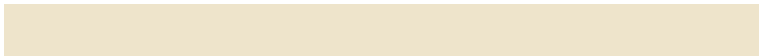
78.0478, 0.3071, 0.3494

# Square

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



78.0478, 0.3325, 0.3211



78.0478, 0.3363, 0.3551



78.0478, 0.2931, 0.3368



78.0478, 0.2894, 0.3033

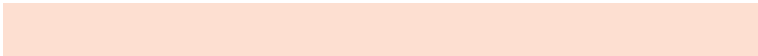


# Rectangle

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



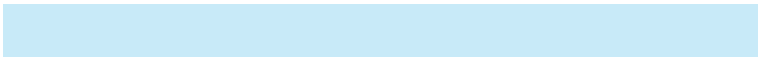
78.0478, 0.3325, 0.3211



78.0478, 0.3438, 0.3432



78.0478, 0.2931, 0.3368



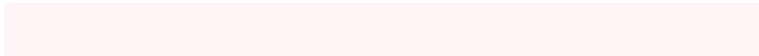
78.0478, 0.2826, 0.3136

# Sweetspot

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



78.0513, 0.3325, 0.3211



93.1671, 0.3179, 0.3268



78.1545, 0.3087, 0.2945



19.6752, 0.3189, 0.3263



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

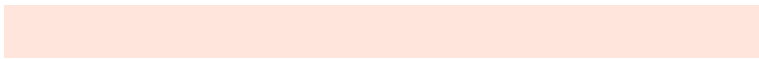
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.0513, 0.3325, 0.3211



74.8095, 0.3364, 0.3197



82.6434, 0.3368, 0.3384



18.0549, 0.3258, 0.3236



11.2879, 0.6002, 0.3080



1.1148, 0.5693, 0.2910



# Inverse Universe

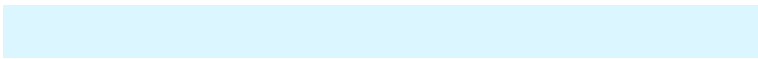
The Inverse Universe completely reimagines the original color for something new.



78.0513, 0.3325, 0.3211



74.8095, 0.3364, 0.3197



88.1227, 0.2915, 0.3194



18.0549, 0.3258, 0.3236



11.2879, 0.6002, 0.3080

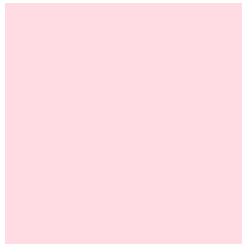


1.1148, 0.5693, 0.2910



# Previews

## White Background



This preview shows how the Yxy color 78.0478, 0.3325, 0.3211 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

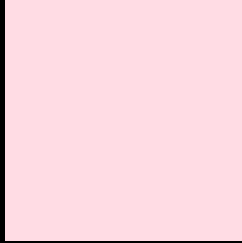
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.0478, 0.3325, 0.3211 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

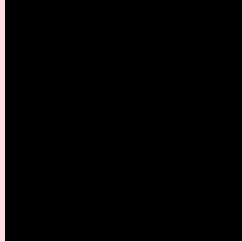
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 78.0478, 0.3325, 0.3211**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.0478, 0.3325, 0.3211.

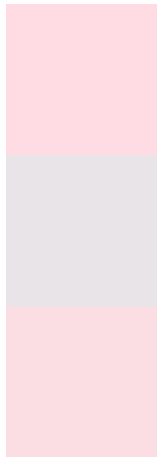


This preview shows how white text looks on a background with the Yxy color 78.0478, 0.3325, 0.3211.

# 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

78.0478, 0.3325, 0.3211

### Protanopia

78.4688, 0.3129, 0.3248

### Deuteranopia

77.8236, 0.3295, 0.3220



## Tritanopia

77.9792, 0.3271, 0.3122

# Trichromacy



## Original Color

78.0478, 0.3325, 0.3211

## Protanomaly

78.1452, 0.3193, 0.3229

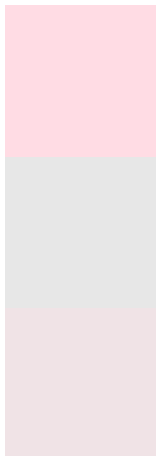
## Deuteranomaly

78.0098, 0.3303, 0.3220

## Tritanomaly

77.8062, 0.3292, 0.3151

# Monochromacy



## Original Color

78.0478, 0.3325, 0.3211

## Achromatopsia

79.9103, 0.3127, 0.3290

## Achromatomaly

79.1766, 0.3198, 0.3259

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.0478, 0.3325, 0.3211 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, 220, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 228)  
}
```

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, 220, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 228) }
```

## Border

The CSS property to change the border of an element to Yxy 78.0478, 0.3325, 0.3211 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, 220, 228) }
```

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

```
.border{ border-color:rgb(255, 220, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 220, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 220, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 220, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 220,  
228) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.0478, 0.3325, 0.3211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 220, 228) }
```

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

```
.background{ background-color: rgb(255,  
220, 228) }
```

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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