

# Converting Colors

$Y_{xy}(78.0244, 0.3258, 0.3102)$

Have a look what the booklet for  
Yxy(78.0244, 0.3258, 0.3102)  
contains.

<b>Yxy(78.0961, 0.3257, 0.3102)</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(78.0961, 0.3257, 0.3102)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDBEE
RGB	255, 219, 238
RGB Percent	100%, 86%, 93%
CMY	0.0001, 0.1411, 0.0665
CMYK	0.00, 0.14, 0.07, 0.00
HSL	328°, 100%, 93%
HSV	328°, 14%, 100%
XYZ	81.9984, 78.0961, 91.6660
YIQ	231.9300, 15.3570, 13.5410

# Conversions

## Conversions Part 2

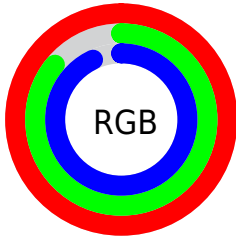
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 219, 238
Decimal	16767982
CIE Lab	90.82, 15.54, -4.67
CIE LCh	91, 16.223, 343.273
Yxy	78.0961, 0.3257, 0.3102
Android (android.graphics.Color)	4294958062 (0xFFFFDBEE)
YUV	231.9300, 2.9925, 20.2324
Hunter-Lab	88.3720, 10.9751, 0.3604

# Details

The Yxy color  $78.0961, 0.3257, 0.3102$  is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be  $92.6140, 0.3015, 0.3486$ , and the grayscale version is  $80.6106, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $41.9341, 0.3287, 0.3063$  is the 20% darker color. If you saturate the color by 10%, you get  $65.1155, 0.3372, 0.2961$ , and if you desaturate by 10%, it is  $93.1681, 0.3161, 0.3237$ .

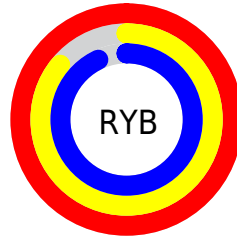
# Distribution



Red (100%)

Green (86%)

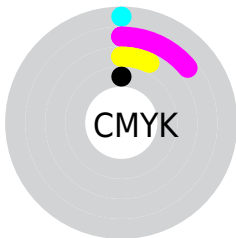
Blue (93%)



Red (100%)

Yellow (86%)

Blue (93%)

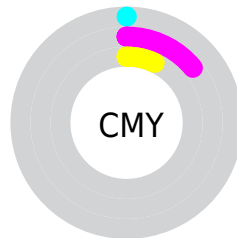


Cyan (0%)

Magenta (14%)

Yellow (7%)

Black (0%)



Cyan (0%)

Magenta (14%)


Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.0961, 0.3257, 0.3102 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 78.0961, 0.3257, 0.3102 by changing the saturation by 10% instead.




 78.0961, 0.3257,  
0.3102

 78.0961, 0.3257,  
0.3102

488.4931, 0.3198,  
0.3187

 58.1529, 0.3270,  
0.3083


130.6856, 0.3237,  
0.3131

 41.9316, 0.3286,  
0.3060

164.1007, 0.3229,  
0.3142

 29.0477, 0.3306,  
0.3031


202.7752, 0.3222,  
0.3152

 19.1169, 0.3332,  
0.2995

247.0936, 0.3216,  
0.3161

 11.7548, 0.3367,  
0.2945

297.4401, 0.3211,  
0.3168

 6.5769, 0.3416,  
0.2877

354.1993, 0.3206,

 3.1990, 0.3489,

0.3175

0.2774

417.7555, 0.3202,  
0.3181

■ 1.2365, 0.3613,  
0.2604

■ 0.0912, 0.4741,  
0.0928

■ 78.0961, 0.3257,  
0.3102

■ 78.0961, 0.3257,  
0.3102

■ 65.1155, 0.3372,  
0.2961

■ 93.1681, 0.3161,  
0.3237

■ 54.1228, 0.3509,  
0.2819

99.9936, 0.3127,  
0.3290

■ 45.0209, 0.3669,  
0.2680

■ 37.7005, 0.3855,  
0.2555

■ 32.0410, 0.4062,  
0.2453

■ 27.9067, 0.4287,  
0.2390

■ 25.1400, 0.4518,  
0.2375

■ 23.5484, 0.4746,  
0.2415

■ 22.9995, 0.4876,  
0.2460

# Harmonies

## Analogous

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



78.0961, 0.3063, 0.3000



78.0961, 0.3257, 0.3102



78.0961, 0.3419, 0.3251

# Triad

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



78.0961, 0.3257, 0.3102



78.0961, 0.3361, 0.3624



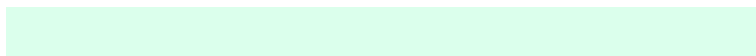
78.0961, 0.2767, 0.3147

# Complementary

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



78.0961, 0.3257, 0.3102



92.6140, 0.3015, 0.3486

# 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.



78.0961, 0.2842, 0.3320



78.0961, 0.3257, 0.3102



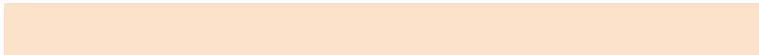
78.0961, 0.3182, 0.3603

# Square

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



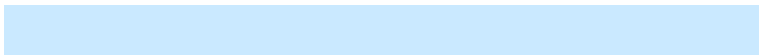
78.0961, 0.3257, 0.3102



78.0961, 0.3480, 0.3552



78.0961, 0.2992, 0.3490



78.0961, 0.2785, 0.3021

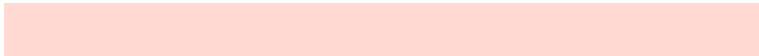


# Rectangle

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



78.0961, 0.3257, 0.3102



78.0961, 0.3485, 0.3361



78.0961, 0.2992, 0.3490



78.0961, 0.2782, 0.3202

# Sweetspot

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



78.0995, 0.3257, 0.3102



93.3583, 0.3161, 0.3238



75.6861, 0.3012, 0.2926



19.7235, 0.3167, 0.3228



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

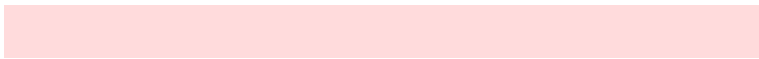
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.0995, 0.3257, 0.3102



74.1462, 0.3288, 0.3062



77.1031, 0.3381, 0.3279



18.1477, 0.3211, 0.3165



12.0518, 0.4841, 0.2441



1.1955, 0.4604, 0.2310



# Inverse Universe

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



78.0995, 0.3257, 0.3102



74.1462, 0.3288, 0.3062



93.7018, 0.2918, 0.3302



18.1477, 0.3211, 0.3165



12.0518, 0.4841, 0.2441

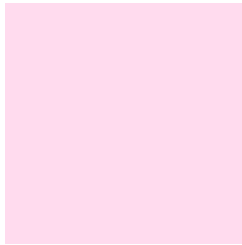


1.1955, 0.4604, 0.2310



# Previews

## White Background



This preview shows how the Yxy color 78.0961, 0.3257, 0.3102 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

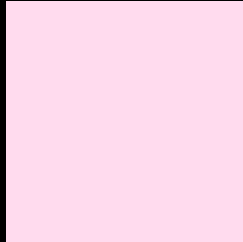
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.0961, 0.3257, 0.3102 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

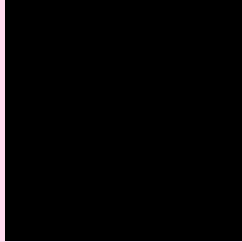
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 78.0961, 0.3257, 0.3102**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.0961, 0.3257, 0.3102.



This preview shows how white text looks on a background with the Yxy color 78.0961, 0.3257, 0.3102.

# 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

78.0961, 0.3257, 0.3102

### Protanopia

78.0672, 0.3040, 0.3124

### Deuteranopia

78.1311, 0.3205, 0.3139



## Tritanopia

77.9792, 0.3271, 0.3122

# Trichromacy



## Original Color

78.0961, 0.3257, 0.3102

## Protanomaly

77.8393, 0.3115, 0.3116

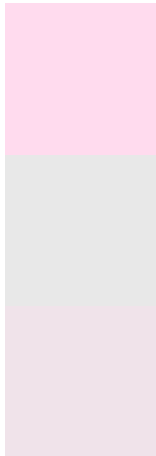
## Deuteranomaly

78.1513, 0.3227, 0.3130

## Tritanomaly

78.0375, 0.3264, 0.3112

# Monochromacy



## Original Color

78.0961, 0.3257, 0.3102

## Achromatopsia

80.6952, 0.3127, 0.3290

## Achromatomaly

79.4039, 0.3172, 0.3219

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.0961, 0.3257, 0.3102 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, 238)` looks like.

```
.text, #text, p{  
    color:rgb(255, 219, 238)  
}
```

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, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 219, 238) }
```

## Border

The CSS property to change the border of an element to Yxy 78.0961, 0.3257, 0.3102 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, 238) }
```

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

```
.border{ border-color:rgb(255, 219, 238) }
```

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, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 219, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 219, 238);  
box-shadow:4px 4px 4px 4px rgb(255, 219,  
238) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.0961, 0.3257, 0.3102 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, 238) }
```

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

```
.background{ background-color: rgb(255,  
219, 238) }
```

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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