

Converting Colors

$Y_{xy}(87.0122, 0.3576, 0.3176)$

Have a look what the booklet for
Yxy(87.0122, 0.3576, 0.3176)
contains.

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Color

Yxy(78.8561, 0.3290, 0.3171)

Conversions

Conversions Part 1

Format	Color
Hex	FFDDE9
RGB	255, 221, 233
RGB Percent	100%, 87%, 91%
CMY	0.0000, 0.1334, 0.0862
CMYK	0.00, 0.13, 0.09, 0.00
HSL	339°, 100%, 93%
HSV	339°, 13%, 100%
XYZ	81.8154, 78.8561, 88.0075
YIQ	232.5340, 16.4120, 10.9400

Conversions

Conversions Part 2

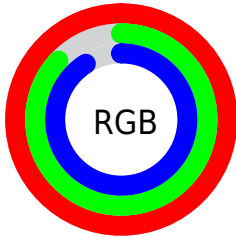
Format	Color
R _Y B	255, 221, 233
Decimal	16768489
CIE Lab	91.17, 13.69, -1.53
CIE LCh	91, 13.779, 353.636
Yxy	78.8561, 0.3290, 0.3171
Android (android.graphics.Color)	4294958569 (0xFFFFDDE9)
YUV	232.5340, 0.2297, 19.7027
Hunter-Lab	88.8010, 9.0565, 3.4004

Details

The Yxy color **78.8561, 0.3290, 0.3171** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **93.3608, 0.2988, 0.3412**, and the grayscale version is **81.1025, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.4525, 0.3329, 0.3151** is the 20% darker color. If you saturate the color by 10%, you get **65.4962, 0.3444, 0.3076**, and if you desaturate by 10%, it is **94.3420, 0.3164, 0.3261**.

Distribution



Red (100%)

Green (87%)

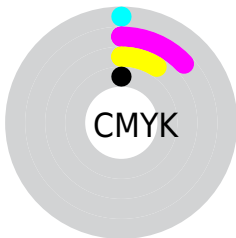
Blue (91%)



Red (100%)

Yellow (87%)

Blue (91%)



Cyan (0%)

Magenta (13%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (13%)

Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.8561, 0.3290, 0.3171 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 78.8561, 0.3290, 0.3171 by changing the saturation by 10% instead.


 78.8561, 0.3290,
0.3171

 78.8561, 0.3290,
0.3171

491.0694, 0.3216,
0.3225

 58.7775, 0.3307,
0.3159


131.7563, 0.3264,
0.3190

 42.4340, 0.3327,
0.3144


165.3466, 0.3255,
0.3197

 29.4413, 0.3353,
0.3125


204.2097, 0.3246,
0.3203

 19.4149, 0.3386,
0.3101

248.7298, 0.3238,
0.3209

 11.9705, 0.3431,
0.3069

299.2915, 0.3232,
0.3213

 6.7236, 0.3495,
0.3024

356.2790, 0.3226,

 3.2898, 0.3592,

0.3218

0.2955

420.0769, 0.3221,
0.3222

■ 1.2849, 0.3759,
0.2838

■ 0.1294, 0.5480,
0.1551

■ 78.8561, 0.3290,
0.3171

■ 78.8561, 0.3290,
0.3171

■ 65.4962, 0.3444,
0.3076

■ 94.3420, 0.3164,
0.3261

■ 54.1784, 0.3631,
0.2979

100.0000, 0.3127,
0.3290

■ 44.7978, 0.3857,
0.2885

■ 37.2442, 0.4123,
0.2801

■ 31.3960, 0.4427,
0.2739

■ 27.1170, 0.4759,
0.2710

■ 24.2497, 0.5100,
0.2728

■ 22.6025, 0.5421,
0.2798

■ 22.0004, 0.5613,
0.2866

Harmonies

Analogous

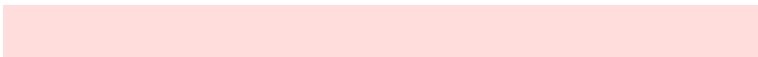
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.8561, 0.3130, 0.3067



78.8561, 0.3290, 0.3171



78.8561, 0.3407, 0.3306

Triad

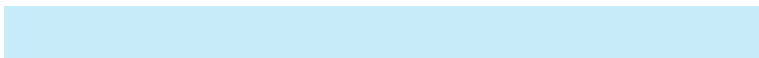
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.8561, 0.3290, 0.3171



78.8561, 0.3277, 0.3575



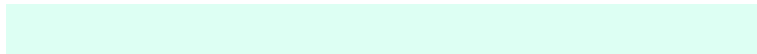
78.8561, 0.2817, 0.3127

Complementary

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



78.8561, 0.3290, 0.3171



93.3608, 0.2988, 0.3412

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.



78.8561, 0.2855, 0.3264



78.8561, 0.3290, 0.3171



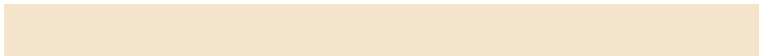
78.8561, 0.3118, 0.3528

Square

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



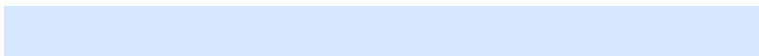
78.8561, 0.3290, 0.3171



78.8561, 0.3399, 0.3541



78.8561, 0.2963, 0.3412



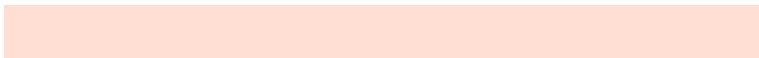
78.8561, 0.2860, 0.3039

Rectangle

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



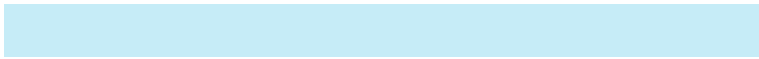
78.8561, 0.3290, 0.3171



78.8561, 0.3444, 0.3398



78.8561, 0.2963, 0.3412



78.8561, 0.2821, 0.3169

Sweetspot

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



78.8526, 0.3290, 0.3171



93.2464, 0.3171, 0.3255



77.9000, 0.3057, 0.2951



19.6952, 0.3180, 0.3249



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

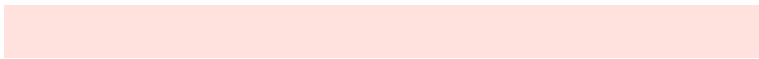
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.8526, 0.3290, 0.3171



75.0904, 0.3328, 0.3146



80.6156, 0.3367, 0.3336



18.0931, 0.3238, 0.3206



11.5213, 0.5570, 0.2842



1.1416, 0.5255, 0.2669

Inverse Universe

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



78.8526, 0.3290, 0.3171



75.0904, 0.3328, 0.3146



91.2519, 0.2922, 0.3244



18.0931, 0.3238, 0.3206



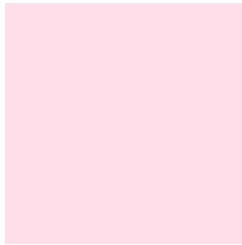
11.5213, 0.5570, 0.2842



1.1416, 0.5255, 0.2669

Previews

White Background



This preview shows how the Yxy color 78.8561, 0.3290, 0.3171 looks on a white background.

Color Contrast Check

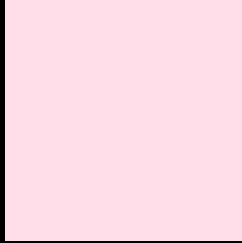
Large Text (above 18pt) WCAG AA × Fail

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 78.8561, 0.3290, 0.3171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

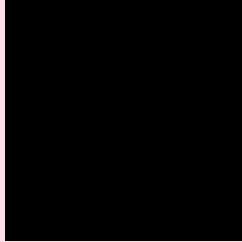
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.8561, 0.3290, 0.3171

Background



This preview shows how black text looks on a background with the Yxy color 78.8561, 0.3290, 0.3171.

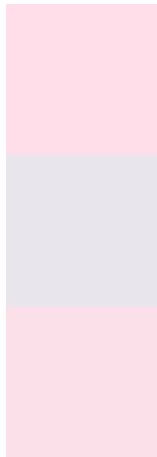


This preview shows how white text looks on a background with the Yxy color 78.8561, 0.3290, 0.3171.

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

78.8561, 0.3290, 0.3171

Protanopia

79.3089, 0.3097, 0.3207

Deuteranopia

79.1678, 0.3259, 0.3190



Tritanopia

79.0873, 0.3262, 0.3132

Trichromacy



Original Color

78.8561, 0.3290, 0.3171

Protanomaly

78.9741, 0.3160, 0.3188

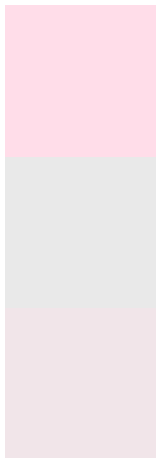
Deuteranomaly

78.8212, 0.3267, 0.3180

Tritanomaly

79.0290, 0.3269, 0.3142

Monochromacy



Original Color

78.8561, 0.3290, 0.3171

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

80.6226, 0.3184, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.8561, 0.3290, 0.3171 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, 221, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 221, 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, 221, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 221, 233) }
```

Border

The CSS property to change the border of an element to Yxy 78.8561, 0.3290, 0.3171 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, 221, 233) }
```

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

```
.border{ border-color:rgb(255, 221, 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, 221, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 221, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 221, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 221,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 78.8561, 0.3290, 0.3171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 221, 233) }
```

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

```
.background{ background-color: rgb(255,  
221, 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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