

Converting Colors

$Y_{xy}(78.0971, 0.3331, 0.3221)$

Have a look what the booklet for
Yxy(78.0971, 0.3331, 0.3221)
contains.

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Color

Yxy(77.9925, 0.3332, 0.3221)

Conversions

Conversions Part 1

Format	Color
Hex	FFDCE3
RGB	255, 220, 227
RGB Percent	100%, 86%, 89%
CMY	0.0002, 0.1371, 0.1099
CMYK	0.00, 0.14, 0.11, 0.00
HSL	348°, 100%, 93%
HSV	348°, 14%, 100%
XYZ	80.6802, 77.9925, 83.4648
YIQ	231.2630, 18.6130, 9.5970

Conversions

Conversions Part 2

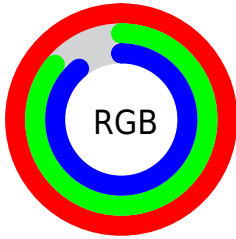
Format	Color
R_{YB}	255, 220, 227
Decimal	16768227
CIE _{Lab}	90.78, 13.18, 1.06
CIE _{LCh}	91, 13.219, 4.591
Yxy	77.9925, 0.3332, 0.3221
Android (android.graphics.Color)	4294958307 (0xFFFFDCE3)
YUV	231.2630, -2.1017, 20.8173
Hunter-Lab	88.3134, 8.5234, 5.7845

Details

The Yxy color **77.9925, 0.3332, 0.3221** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **93.4784, 0.2955, 0.3360**, and the grayscale version is **80.1203, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.8946, 0.3377, 0.3201** is the 20% darker color. If you saturate the color by 10%, you get **64.5553, 0.3525, 0.3167**, and if you desaturate by 10%, it is **93.6109, 0.3177, 0.3272**.

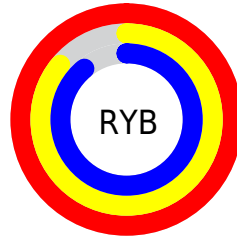
Distribution



Red (100%)

Green (86%)

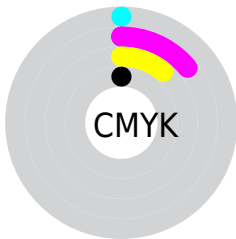
Blue (89%)



Red (100%)

Yellow (86%)

Blue (89%)

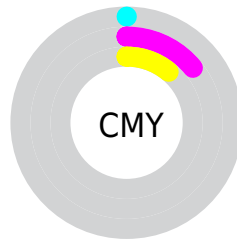


Cyan (0%)

Magenta (14%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (14%)


Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.9925, 0.3332, 0.3221 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 77.9925, 0.3332, 0.3221 by changing the saturation by 10% instead.

 77.9925, 0.3332,
0.3221

 77.9925, 0.3332,
0.3221

488.1414, 0.3238,
0.3253

 58.0678, 0.3353,
0.3214

130.5395, 0.3300,
0.3232

 41.8632, 0.3379,
0.3205


163.9307, 0.3287,
0.3236

 28.9942, 0.3412,
0.3193


202.5795, 0.3276,
0.3240

 19.0764, 0.3455,
0.3178

246.8703, 0.3267,
0.3243

 11.7255, 0.3513,
0.3158

297.1874, 0.3258,
0.3246

 6.5571, 0.3596,
0.3129

353.9154, 0.3251,

 3.1867, 0.3724,

0.3249

0.3084

417.4386, 0.3244,
0.3251

■ 1.2299, 0.3947,
0.3003

■ 0.0860, 0.7925,
0.1689

■ 77.9925, 0.3332,
0.3221

■ 77.9925, 0.3332,
0.3221

■ 64.5553, 0.3525,
0.3167

■ 93.6109, 0.3177,
0.3272

■ 53.1921, 0.3762,
0.3112

99.9887, 0.3127,
0.3290

■ 43.8024, 0.4051,
0.3060

■ 36.2729, 0.4394,
0.3016

■ 30.4790, 0.4785,
0.2989

■ 26.2807, 0.5203,
0.2989

■ 23.5160, 0.5609,
0.3023

■ 21.9881, 0.5950,
0.3091

■ 21.4860, 0.6117,
0.3143

Harmonies

Analogous

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



77.9925, 0.3189, 0.3107



77.9925, 0.3332, 0.3221



77.9925, 0.3421, 0.3355

Triad

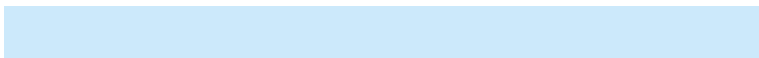
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.9925, 0.3332, 0.3221



77.9925, 0.3218, 0.3557



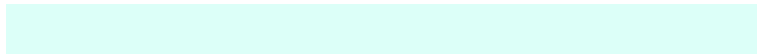
77.9925, 0.2835, 0.3096

Complementary

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



77.9925, 0.3332, 0.3221



93.4784, 0.2955, 0.3360

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.



77.9925, 0.2843, 0.3213



77.9925, 0.3332, 0.3221



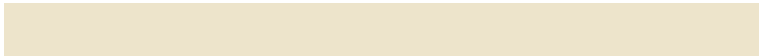
77.9925, 0.3061, 0.3485

Square

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



77.9925, 0.3332, 0.3221



77.9925, 0.3353, 0.3552



77.9925, 0.2924, 0.3357



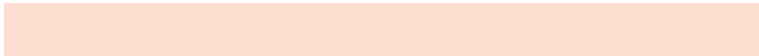
77.9925, 0.2903, 0.3033

Rectangle

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



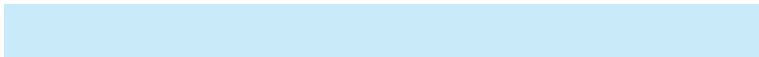
77.9925, 0.3332, 0.3221



77.9925, 0.3435, 0.3440



77.9925, 0.2924, 0.3357



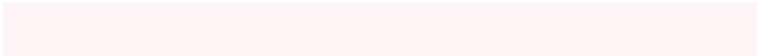
77.9925, 0.2829, 0.3130

Sweetspot

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



77.9960, 0.3332, 0.3221



93.1490, 0.3181, 0.3271



78.3669, 0.3095, 0.2946



19.6706, 0.3192, 0.3267



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

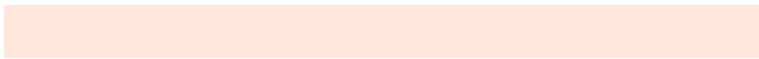
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.9960, 0.3332, 0.3221



74.7462, 0.3373, 0.3209



83.2914, 0.3366, 0.3395



18.0463, 0.3263, 0.3243



11.2495, 0.6082, 0.3124



1.1099, 0.5784, 0.2960

Inverse Universe

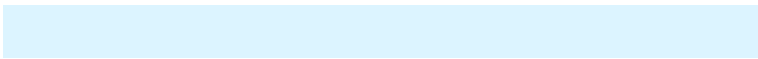
The Inverse Universe completely reimagines the original color for something new.



77.9960, 0.3332, 0.3221



74.7462, 0.3373, 0.3209



87.4192, 0.2914, 0.3183



18.0463, 0.3263, 0.3243



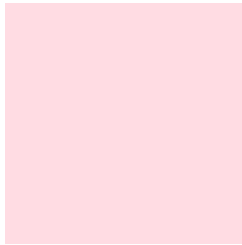
11.2495, 0.6082, 0.3124



1.1099, 0.5784, 0.2960

Previews

White Background



This preview shows how the Yxy color 77.9925, 0.3332, 0.3221 looks on a white background.

Color Contrast Check

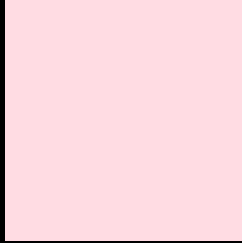
Large Text (above 18pt) WCAG AA × Fail

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 77.9925, 0.3332, 0.3221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

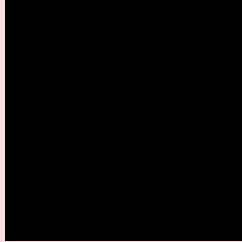
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.9925, 0.3332, 0.3221

Background



This preview shows how black text looks on a background with the Yxy color 77.9925, 0.3332, 0.3221.

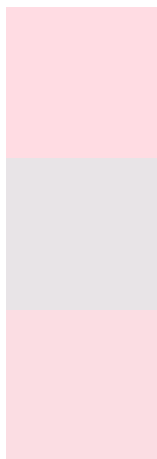


This preview shows how white text looks on a background with the Yxy color 77.9925, 0.3332, 0.3221.

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

77.9925, 0.3332, 0.3221

Protanopia

78.4121, 0.3136, 0.3259

Deuteranopia

77.7682, 0.3302, 0.3230



Tritanopia

77.9212, 0.3278, 0.3132

Trichromacy



Original Color

77.9925, 0.3332, 0.3221

Protanomaly

78.0889, 0.3200, 0.3239

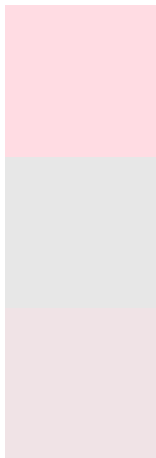
Deuteranomaly

77.9544, 0.3309, 0.3230

Tritanomaly

77.7492, 0.3299, 0.3161

Monochromacy



Original Color

77.9925, 0.3332, 0.3221

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 77.9925, 0.3332, 0.3221 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, 227)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 227)  
}
```

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, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 227) }
```

Border

The CSS property to change the border of an element to Yxy 77.9925, 0.3332, 0.3221 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, 227) }
```

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

```
.border{ border-color:rgb(255, 220, 227) }
```

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, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 220, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 220, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 220,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 77.9925, 0.3332, 0.3221 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, 227) }
```

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

```
.background{ background-color: rgb(255,  
220, 227) }
```

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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