

Converting Colors

$Y_{xy}(100.0000, 0.4017, 0.3268)$

Have a look what the booklet for
Yxy(100.0000, 0.4017, 0.3268)
contains.

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Color

Yxy(77.8282, 0.3353, 0.3251)

Conversions

Conversions Part 1

Format	Color
Hex	FFDCE0
RGB	255, 220, 224
RGB Percent	100%, 86%, 88%
CMY	0.0002, 0.1371, 0.1216
CMYK	0.00, 0.14, 0.12, 0.00
HSL	353°, 100%, 93%
HSV	353°, 14%, 100%
XYZ	80.2701, 77.8282, 81.2995
YIQ	230.9210, 19.5760, 8.6640

Conversions

Conversions Part 2

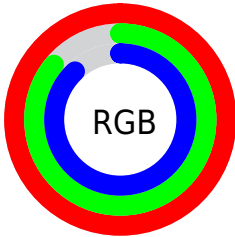
Format	Color
R _Y B	255, 220, 224
Decimal	16768224
CIE _{Lab}	90.70, 12.70, 2.53
CIE _{LCh}	91, 12.945, 11.250
Y _{xy}	77.8282, 0.3353, 0.3251
Android (android.graphics.Color)	4294958304 (0xFFFFDCE0)
Y _{UV}	230.9210, -3.4121, 21.1173
Hunter-Lab	88.2203, 8.0284, 7.1155

Details

The Yxy color **77.8282, 0.3353, 0.3251** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **93.6685, 0.2939, 0.3330**, and the grayscale version is **79.8619, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.7806, 0.3404, 0.3239** is the 20% darker color. If you saturate the color by 10%, you get **64.3059, 0.3567, 0.3221**, and if you desaturate by 10%, it is **93.5612, 0.3182, 0.3280**.

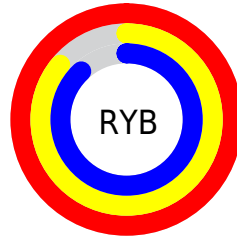
Distribution



Red (100%)

Green (86%)

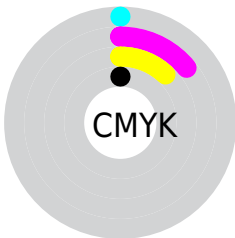
Blue (88%)



Red (100%)

Yellow (86%)

Blue (88%)

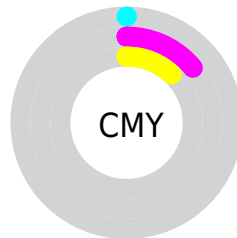


Cyan (0%)

Magenta (14%)

Yellow (12%)

Black (0%)



Cyan (0%)


Magenta (14%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.8282, 0.3353, 0.3251 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 77.8282, 0.3353, 0.3251 by changing the saturation by 10% instead.

 77.8282, 0.3353,
0.3251

 77.8282, 0.3353,
0.3251


487.5832, 0.3249,
0.3270

 57.9329, 0.3377,
0.3247


130.3079, 0.3317,
0.3258

 41.7547, 0.3405,
0.3241


163.6611, 0.3303,
0.3260

 28.9092, 0.3442,
0.3234


202.2690, 0.3291,
0.3262

 19.0122, 0.3490,
0.3225

246.5160, 0.3281,
0.3264

 11.6791, 0.3554,
0.3212

296.7865, 0.3271,
0.3266

 6.5255, 0.3647,
0.3193

353.4650, 0.3263,

 3.1672, 0.3790,

0.3267

0.3163

416.9357, 0.3256,
0.3268

■ 1.2196, 0.4040,
0.3105

■ 0.0777, 0.8317,
0.1683

■ 77.8282, 0.3353,
0.3251

■ 77.8282, 0.3353,
0.3251

■ 64.3059, 0.3567,
0.3221

■ 93.5612, 0.3182,
0.3280

■ 52.8854, 0.3832,
0.3190

99.9893, 0.3127,
0.3290

■ 43.4642, 0.4155,
0.3161

■ 35.9271, 0.4540,
0.3138

■ 30.1470, 0.4974,
0.3127

■ 25.9813, 0.5427,
0.3133

■ 23.2650, 0.5843,
0.3161

■ 21.7974, 0.6159,
0.3208

■ 21.3374, 0.6292,
0.3240

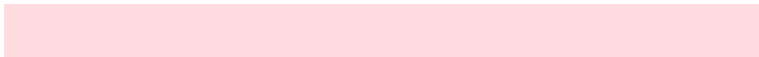
Harmonies

Analogous

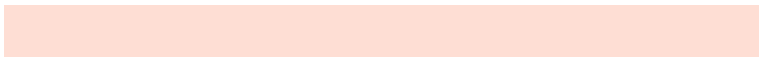
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.8282, 0.3221, 0.3132



77.8282, 0.3353, 0.3251



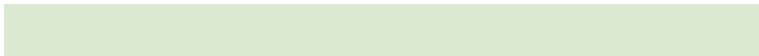
77.8282, 0.3424, 0.3383

Triad

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



77.8282, 0.3353, 0.3251



77.8282, 0.3182, 0.3542



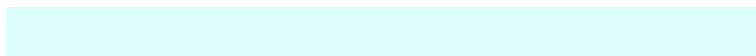
77.8282, 0.2849, 0.3081

Complementary

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



77.8282, 0.3353, 0.3251



93.6685, 0.2939, 0.3330

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.



77.8282, 0.2840, 0.3186



77.8282, 0.3353, 0.3251



77.8282, 0.3030, 0.3457

Square

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



77.8282, 0.3353, 0.3251



77.8282, 0.3323, 0.3554



77.8282, 0.2905, 0.3324



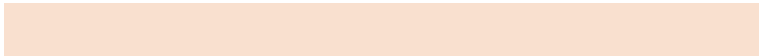
77.8282, 0.2931, 0.3034

Rectangle

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



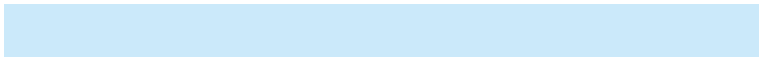
77.8282, 0.3353, 0.3251



77.8282, 0.3425, 0.3461



77.8282, 0.2905, 0.3324



77.8282, 0.2838, 0.3110

Sweetspot

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



77.8317, 0.3353, 0.3251



93.0949, 0.3186, 0.3279



78.9030, 0.3115, 0.2948



19.6570, 0.3198, 0.3277



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

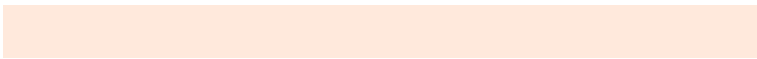
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.8317, 0.3353, 0.3251



74.5595, 0.3398, 0.3244



84.9299, 0.3362, 0.3424



18.0205, 0.3277, 0.3263



11.1654, 0.6267, 0.3226



1.0974, 0.6036, 0.3099

Inverse Universe

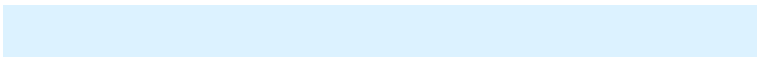
The Inverse Universe completely reimagines the original color for something new.



77.8317, 0.3353, 0.3251



74.5595, 0.3398, 0.3244



85.6789, 0.2914, 0.3152



18.0205, 0.3277, 0.3263



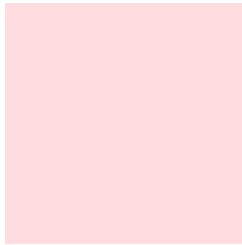
11.1654, 0.6267, 0.3226



1.0974, 0.6036, 0.3099

Previews

White Background



This preview shows how the Yxy color 77.8282, 0.3353, 0.3251 looks on a white background.

Color Contrast Check

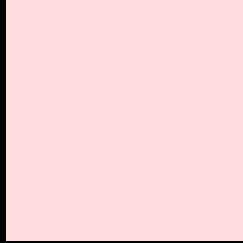
Large Text (above 18pt) WCAG AA × Fail

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 77.8282, 0.3353, 0.3251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

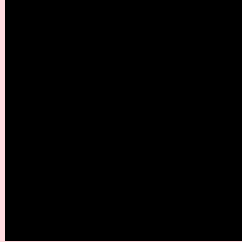
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.8282, 0.3353, 0.3251

Background



This preview shows how black text looks on a background with the Yxy color 77.8282, 0.3353, 0.3251.

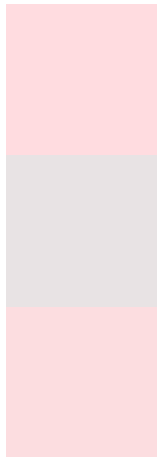


This preview shows how white text looks on a background with the Yxy color 77.8282, 0.3353, 0.3251.

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

77.8282, 0.3353, 0.3251

Protanopia

77.6954, 0.3155, 0.3280

Deuteranopia

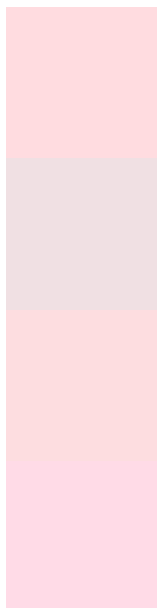
77.7902, 0.3330, 0.3260



Tritanopia

77.9212, 0.3278, 0.3132

Trichromacy



Original Color

77.8282, 0.3353, 0.3251

Protanomaly

77.3826, 0.3220, 0.3259

Deuteranomaly

77.9774, 0.3337, 0.3260

Tritanomaly

77.6926, 0.3306, 0.3171

Monochromacy



Original Color

77.8282, 0.3353, 0.3251

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

79.0649, 0.3211, 0.3280

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.8282, 0.3353, 0.3251 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, 224)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 224)  
}
```

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, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 224) }
```

Border

The CSS property to change the border of an element to Yxy 77.8282, 0.3353, 0.3251 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, 224) }
```

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

```
.border{ border-color:rgb(255, 220, 224) }
```

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, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 220, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 220, 224);  
box-shadow:4px 4px 4px 4px rgb(255, 220,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 77.8282, 0.3353, 0.3251 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, 224) }
```

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

```
.background{ background-color: rgb(255,  
220, 224) }
```

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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