

Converting Colors

$Y_{xy}(78.5020, 0.3401, 0.3344)$

Have a look what the booklet for
Yxy(78.5020, 0.3401, 0.3344)
contains.

Yxy(78.5123, 0.3400, 0.3341)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.5123, 0.3400, 0.3341)

Conversions

Conversions Part 1

Format	Color
Hex	FFDED9
RGB	255, 222, 217
RGB Percent	100%, 87%, 85%
CMY	0.0000, 0.1295, 0.1490
CMYK	0.00, 0.13, 0.15, 0.00
HSL	8°, 100%, 93%
HSV	8°, 15%, 100%
XYZ	79.8988, 78.5123, 76.5853
YIQ	231.2970, 21.2730, 5.4410

Conversions

Conversions Part 2

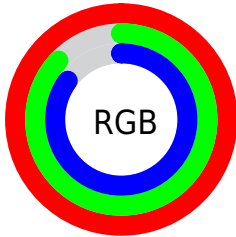
Format	Color
R _Y B	255, 223, 217
Decimal	16768729
CIE Lab	91.01, 10.62, 6.64
CIE LCh	91, 12.527, 32.009
Yxy	78.5123, 0.3400, 0.3341
Android (android.graphics.Color)	4294958809 (0xFFFFDED9)
YUV	231.2970, -7.0484, 20.7875
Hunter-Lab	88.6072, 5.8943, 10.7792

Details

The Yxy color **78.5123, 0.3400, 0.3341** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **90.3471, 0.2898, 0.3238**, and the grayscale version is **80.1790, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.2518, 0.3465, 0.3355** is the 20% darker color. If you saturate the color by 10%, you get **66.2773, 0.3635, 0.3378**, and if you desaturate by 10%, it is **92.4857, 0.3208, 0.3306**.

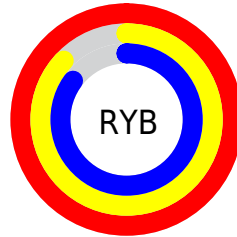
Distribution



Red (100%)

Green (87%)

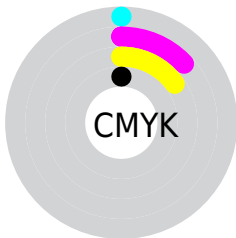
Blue (85%)



Red (100%)

Yellow (87%)

Blue (85%)

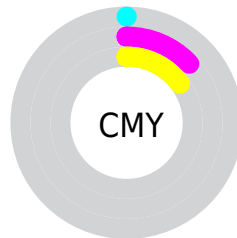


Cyan (0%)

Magenta (13%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (13%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.5123, 0.3400, 0.3341 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 78.5123, 0.3400, 0.3341 by changing the saturation by 10% instead.

 78.5123, 0.3400,
0.3341

 78.5123, 0.3400,
0.3341


489.9049, 0.3275,
0.3319

 58.4949, 0.3428,
0.3346

131.2721, 0.3357,
0.3334

 42.2067, 0.3463,
0.3351


164.7832, 0.3340,
0.3331

 29.2631, 0.3508,
0.3358


203.5611, 0.3325,
0.3328

 19.2800, 0.3565,
0.3366

247.9901, 0.3312,
0.3326

 11.8728, 0.3643,
0.3376

298.4545, 0.3301,
0.3324

 6.6571, 0.3755,
0.3389

355.3389, 0.3291,

 3.2486, 0.3927,

0.3322

0.3406

419.0276, 0.3283,
0.3321

■ 1.2629, 0.4232,
0.3426

■ 0.1122, 0.7654,
0.2346

■ 78.5123, 0.3400,
0.3341

■ 78.5123, 0.3400,
0.3341

■ 66.2773, 0.3635,
0.3378

■ 92.4857, 0.3208,
0.3306

■ 55.7300, 0.3921,
0.3415

100.0000, 0.3127,
0.3290

■ 46.7904, 0.4264,
0.3451

■ 39.3793, 0.4662,
0.3479

■ 33.4105, 0.5101,
0.3494

■ 28.7895, 0.5543,
0.3488

■ 25.4101, 0.5933,
0.3457

■ 23.1497, 0.6211,
0.3404

■ 22.3756, 0.6305,
0.3375

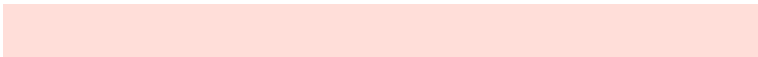
Harmonies

Analogous

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



78.5123, 0.3311, 0.3214



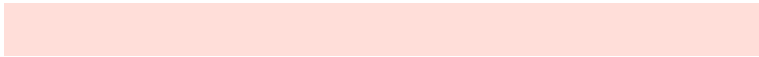
78.5123, 0.3400, 0.3341



78.5123, 0.3414, 0.3458

Triad

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



78.5123, 0.3400, 0.3341



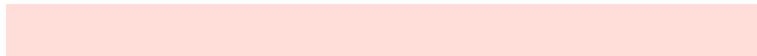
78.5123, 0.3077, 0.3482



78.5123, 0.2907, 0.3050

Complementary

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



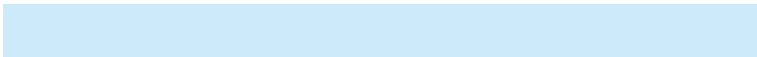
78.5123, 0.3400, 0.3341



90.3471, 0.2898, 0.3238

Split Complementary

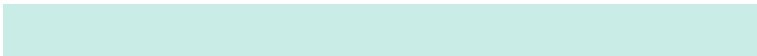
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.5123, 0.2848, 0.3114



78.5123, 0.3400, 0.3341



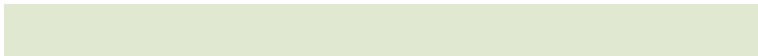
78.5123, 0.2945, 0.3365

Square

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



78.5123, 0.3400, 0.3341



78.5123, 0.3225, 0.3544



78.5123, 0.2862, 0.3229



78.5123, 0.3025, 0.3049

Rectangle

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



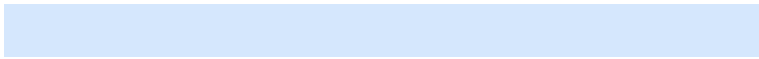
78.5123, 0.3400, 0.3341



78.5123, 0.3379, 0.3515



78.5123, 0.2862, 0.3229



78.5123, 0.2880, 0.3064

Sweetspot

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



78.5062, 0.3400, 0.3341



93.8371, 0.3192, 0.3303



77.8215, 0.3174, 0.2962



19.8439, 0.3205, 0.3306



0.0000, 0.0000, 0.0000



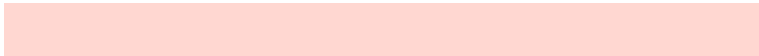
21.4041, 0.3127, 0.3290

Same Dimension

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



78.5062, 0.3400, 0.3341



74.5354, 0.3467, 0.3352



88.8444, 0.3372, 0.3523



18.3715, 0.3291, 0.3322



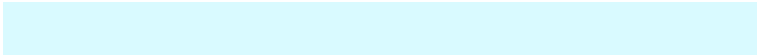
11.8094, 0.6287, 0.3390



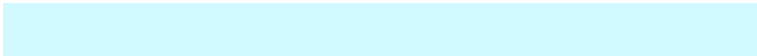
1.2634, 0.6113, 0.3528

Inverse Universe

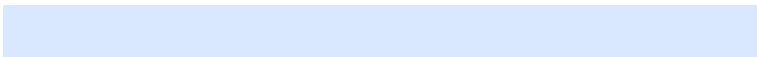
The Inverse Universe completely reimagines the original color for something new.



90.3471, 0.2898, 0.3238



88.5229, 0.2852, 0.3227



79.4395, 0.2891, 0.3046



20.0503, 0.2980, 0.3258



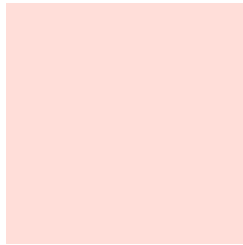
31.0909, 0.2130, 0.2868



3.1355, 0.2145, 0.2921

Previews

White Background



This preview shows how the Yxy color 78.5123, 0.3400, 0.3341 looks on a white background.

Color Contrast Check

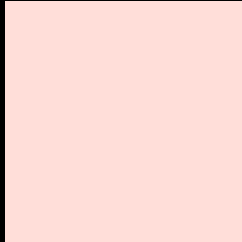
Large Text (above 18pt) WCAG AA × Fail

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 78.5123, 0.3400, 0.3341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

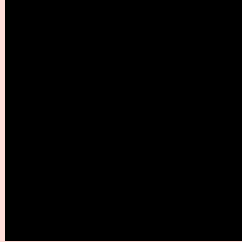
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

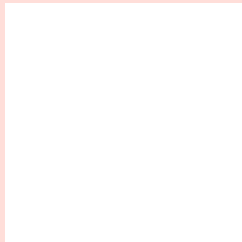
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.5123, 0.3400, 0.3341

Background



This preview shows how black text looks on a background with the Yxy color 78.5123, 0.3400, 0.3341.

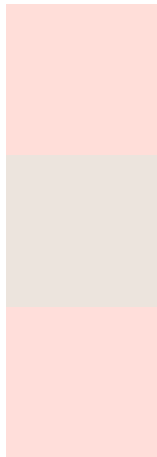


This preview shows how white text looks on a background with the Yxy color 78.5123, 0.3400, 0.3341.

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

78.5123, 0.3400, 0.3341

Protanopia

78.5401, 0.3228, 0.3363

Deuteranopia

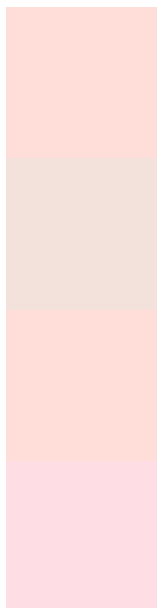
78.5645, 0.3393, 0.3331



Tritanopia

78.5025, 0.3270, 0.3132

Trichromacy



Original Color

78.5123, 0.3400, 0.3341

Protanomaly

78.6147, 0.3287, 0.3352

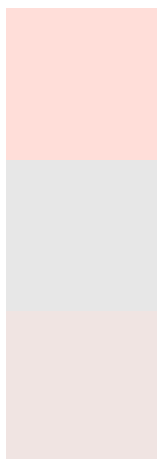
Deuteranomaly

78.5645, 0.3393, 0.3331

Tritanomaly

78.6300, 0.3317, 0.3211

Monochromacy



Original Color

78.5123, 0.3400, 0.3341

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

79.5031, 0.3224, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.5123, 0.3400, 0.3341 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, 222, 217)` looks like.

```
.text, #text, p{  
    color:rgb(255, 222, 217)  
}
```

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, 222, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 222, 217) }
```

Border

The CSS property to change the border of an element to Yxy 78.5123, 0.3400, 0.3341 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, 222, 217) }
```

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

```
.border{ border-color:rgb(255, 222, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 222, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 222, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 222, 217);  
box-shadow:4px 4px 4px 4px rgb(255, 222,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 78.5123, 0.3400, 0.3341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 222, 217) }
```

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

```
.background{ background-color: rgb(255,  
222, 217) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor