

Converting Colors

$Y_{xy}(85.3256, 0.3657, 0.3346)$

Have a look what the booklet for
Yxy(85.3256, 0.3657, 0.3346)
contains.

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Color

Yxy(78.4604, 0.3407, 0.3351)

Conversions

Conversions Part 1

Format	Color
Hex	FFDED8
RGB	255, 222, 216
RGB Percent	100%, 87%, 85%
CMY	0.0000, 0.1295, 0.1529
CMYK	0.00, 0.13, 0.15, 0.00
HSL	9°, 100%, 92%
HSV	9°, 15%, 100%
XYZ	79.7716, 78.4604, 75.9083
YIQ	231.1830, 21.5940, 5.1300

Conversions

Conversions Part 2

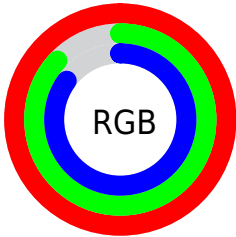
Format	Color
R _Y B	255, 223, 216
Decimal	16768728
CIE Lab	90.99, 10.47, 7.12
CIE LCh	91, 12.667, 34.226
Yxy	78.4604, 0.3407, 0.3351
Android (android.graphics.Color)	4294958808 (0xFFFFDED8)
YUV	231.1830, -7.4852, 20.8875
Hunter-Lab	88.5779, 5.7425, 11.1950

Details

The Yxy color **78.4604, 0.3407, 0.3351** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **89.5832, 0.2892, 0.3228**, and the grayscale version is **80.0922, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.2164, 0.3474, 0.3368** is the 20% darker color. If you saturate the color by 10%, you get **66.4923, 0.3641, 0.3394**, and if you desaturate by 10%, it is **92.0870, 0.3214, 0.3310**.

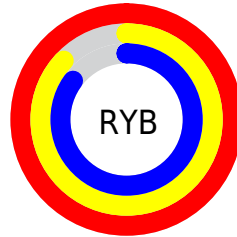
Distribution



Red (100%)

Green (87%)

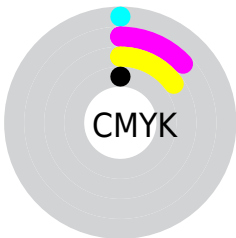
Blue (85%)



Red (100%)

Yellow (87%)

Blue (85%)

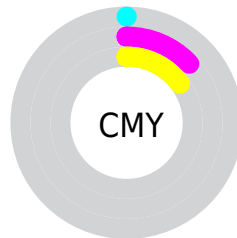


Cyan (0%)

Magenta (13%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (13%)


Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.4604, 0.3407, 0.3351 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 78.4604, 0.3407, 0.3351 by changing the saturation by 10% instead.


 78.4604, 0.3407,
0.3351

 78.4604, 0.3407,
0.3351

489.7290, 0.3278,
0.3325

 58.4523, 0.3436,
0.3357


131.1989, 0.3363,
0.3342

 42.1723, 0.3472,
0.3363


164.6981, 0.3345,
0.3339

 29.2363, 0.3518,
0.3371

203.4631, 0.3330,
0.3336

 19.2596, 0.3577,
0.3382

247.8783, 0.3317,
0.3333

 11.8580, 0.3657,
0.3394

298.3281, 0.3306,
0.3331

 6.6471, 0.3771,
0.3411

355.1969, 0.3296,

 3.2424, 0.3948,

0.3328

0.3432

418.8691, 0.3287,
0.3326

1.2595, 0.4264,
0.3464

0.1096, 0.7666,
0.2334

78.4604, 0.3407,
0.3351

78.4604, 0.3407,
0.3351

66.4923, 0.3641,
0.3394

92.0870, 0.3214,
0.3310

56.1399, 0.3926,
0.3438

100.0000, 0.3127,
0.3290

47.3267, 0.4265,
0.3479

39.9790, 0.4658,
0.3512

■ 34.0166, 0.5088,
0.3529

■ 29.3515, 0.5523,
0.3524

■ 25.8856, 0.5907,
0.3489

■ 23.5060, 0.6186,
0.3428

■ 22.7181, 0.6277,
0.3398

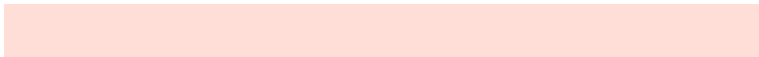
Harmonies

Analogous

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



78.4604, 0.3322, 0.3223



78.4604, 0.3407, 0.3351



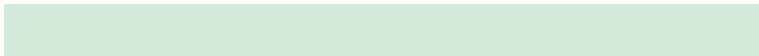
78.4604, 0.3415, 0.3467

Triad

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



78.4604, 0.3407, 0.3351



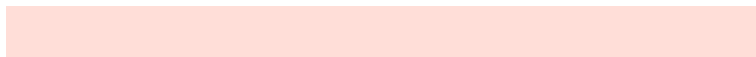
78.4604, 0.3066, 0.3477



78.4604, 0.2911, 0.3045

Complementary

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



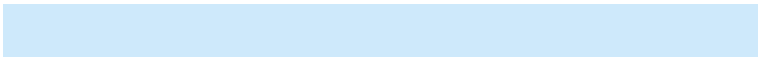
78.4604, 0.3407, 0.3351



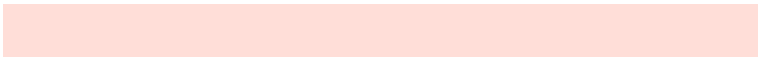
89.5832, 0.2892, 0.3228

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.



78.4604, 0.2847, 0.3105



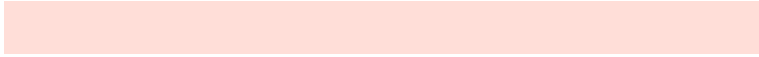
78.4604, 0.3407, 0.3351



78.4604, 0.2935, 0.3356

Square

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



78.4604, 0.3407, 0.3351



78.4604, 0.3216, 0.3545



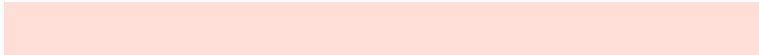
78.4604, 0.2855, 0.3218



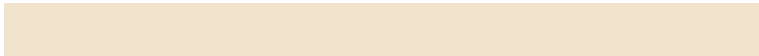
78.4604, 0.3034, 0.3049

Rectangle

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



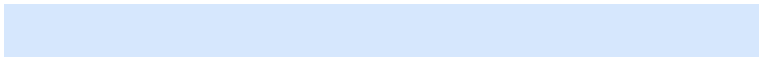
78.4604, 0.3407, 0.3351



78.4604, 0.3376, 0.3522



78.4604, 0.2855, 0.3218



78.4604, 0.2882, 0.3058

Sweetspot

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



78.4532, 0.3407, 0.3351



92.5109, 0.3209, 0.3309



77.2235, 0.3184, 0.2965



19.5833, 0.3221, 0.3312



0.0000, 0.0000, 0.0000



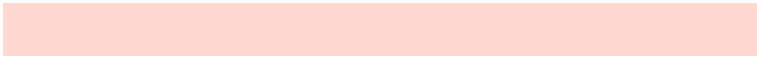
21.4041, 0.3127, 0.3290

Same Dimension

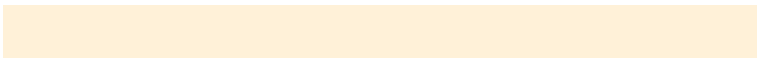
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.4532, 0.3407, 0.3351



75.0516, 0.3466, 0.3363



89.3373, 0.3377, 0.3542



18.4366, 0.3291, 0.3327



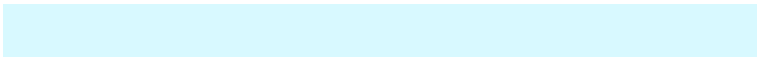
12.0039, 0.6256, 0.3414



1.2939, 0.6070, 0.3563

Inverse Universe

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



89.5832, 0.2892, 0.3228



87.9005, 0.2851, 0.3216



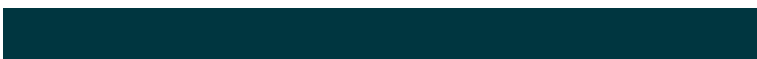
78.2207, 0.2884, 0.3025



19.9788, 0.2980, 0.3253



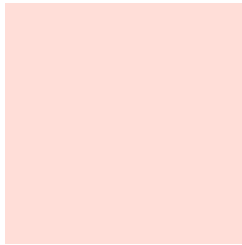
29.5847, 0.2110, 0.2794



3.0031, 0.2127, 0.2856

Previews

White Background



This preview shows how the Yxy color 78.4604, 0.3407, 0.3351 looks on a white background.

Color Contrast Check

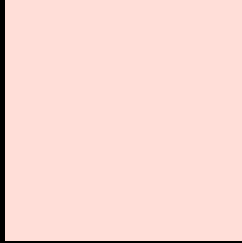
Large Text (above 18pt) WCAG AA × Fail

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 78.4604, 0.3407, 0.3351 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

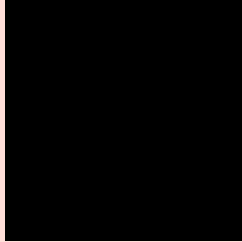
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

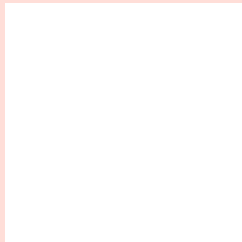
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.4604, 0.3407, 0.3351

Background



This preview shows how black text looks on a background with the Yxy color 78.4604, 0.3407, 0.3351.

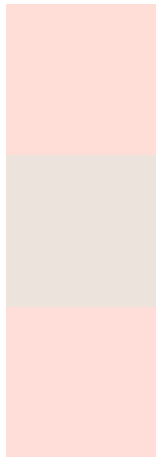


This preview shows how white text looks on a background with the Yxy color 78.4604, 0.3407, 0.3351.

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

78.4604, 0.3407, 0.3351

Protanopia

78.4870, 0.3235, 0.3374

Deuteranopia

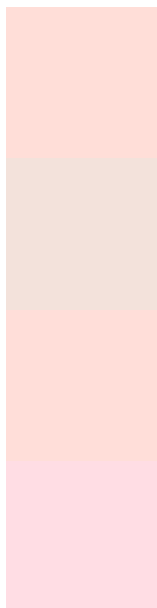
78.5123, 0.3400, 0.3341



Tritanopia

78.4446, 0.3277, 0.3142

Trichromacy



Original Color

78.4604, 0.3407, 0.3351

Protanomaly

78.5619, 0.3293, 0.3363

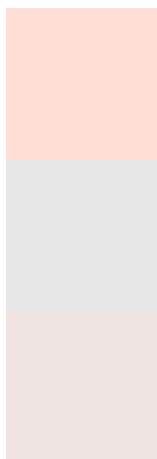
Deuteranomaly

78.5123, 0.3400, 0.3341

Tritanomaly

78.5743, 0.3324, 0.3221

Monochromacy



Original Color

78.4604, 0.3407, 0.3351

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 78.4604, 0.3407, 0.3351 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, 216)` looks like.

```
.text, #text, p{  
    color:rgb(255, 222, 216)  
}
```

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, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 222, 216) }
```

Border

The CSS property to change the border of an element to Yxy 78.4604, 0.3407, 0.3351 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, 216) }
```

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

```
.border{ border-color:rgb(255, 222, 216) }
```

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, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 222, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 222, 216);  
box-shadow:4px 4px 4px 4px rgb(255, 222,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 78.4604, 0.3407, 0.3351 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, 216) }
```

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

```
.background{ background-color: rgb(255,  
222, 216) }
```

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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