

# Converting Colors

$Yxy(82.8801, 0.3394, 0.3472)$

Have a look what the booklet for  
Yxy(82.8801, 0.3394, 0.3472)  
contains.

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# Color

**Yxy(82.8386, 0.3399, 0.3472)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FDE7D5
RGB	253, 231, 213
RGB Percent	99%, 91%, 84%
CMY	0.0078, 0.0941, 0.1648
CMYK	0.00, 0.09, 0.16, 0.01
HSL	27°, 91%, 91%
HSV	27°, 16%, 99%
XYZ	81.0969, 82.8386, 74.6549
YIQ	235.5260, 18.8900, -0.9340

# Conversions

## Conversions Part 2

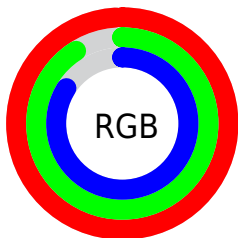
Format	Color
R <sub>Y</sub> B	253, 246, 213
Decimal	16639957
CIE Lab	92.94, 4.65, 11.48
CIE LCh	93, 12.381, 67.950
Yxy	82.8386, 0.3399, 0.3472
Android (android.graphics.Color)	4294830037 (0xFFFDE7D5)
YUV	235.5260, -11.1053, 15.3247
Hunter-Lab	91.0157, -0.2303, 15.0788

# Details

The Yxy color **82.8386, 0.3399, 0.3472** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.6535, 0.2879, 0.3101**, and the grayscale version is **83.5781, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.8643, 0.3464, 0.3510** is the 20% darker color. If you saturate the color by 10%, you get **74.1742, 0.3605, 0.3594**, and if you desaturate by 10%, it is **92.3301, 0.3220, 0.3355**.

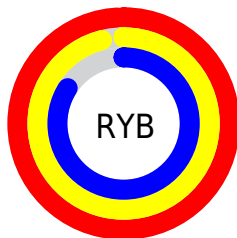
# Distribution



Red (99%)

Green (91%)

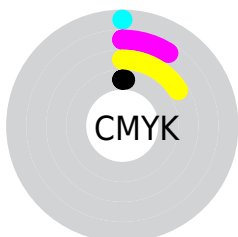
Blue (84%)



Red (99%)

Yellow (96%)

Blue (84%)

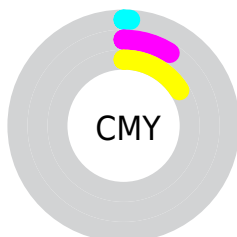


Cyan (0%)

Magenta (9%)

Yellow (16%)

Black (1%)



Cyan (1%)

Magenta (9%)


Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.8386, 0.3399, 0.3472 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 82.8386, 0.3399, 0.3472 by changing the saturation by 10% instead.



 82.8386, 0.3399,  
0.3472

 82.8386, 0.3399,  
0.3472


504.4485, 0.3276,  
0.3391

 62.0570, 0.3427,  
0.3490

137.3494, 0.3357,  
0.3444

 45.0788, 0.3461,  
0.3512


171.8474, 0.3340,  
0.3433

 31.5195, 0.3503,  
0.3539


211.6863, 0.3326,  
0.3424

 20.9947, 0.3558,  
0.3573

257.2505, 0.3313,  
0.3416

 13.1202, 0.3631,  
0.3618

308.9244, 0.3302,  
0.3408

 7.5113, 0.3735,  
0.3681

367.0925, 0.3292,

 3.7839, 0.3890,

0.3402

0.3771

432.1390, 0.3283,  
0.3396

■ 1.5534, 0.4162,  
0.3924

■ 0.3259, 0.5650,  
0.4350

■ 82.8386, 0.3399,  
0.3472

■ 82.8386, 0.3399,  
0.3472

■ 74.1742, 0.3605,  
0.3594

■ 92.3301, 0.3220,  
0.3355

■ 66.3021, 0.3840,  
0.3718

99.6259, 0.3115,  
0.3290

■ 59.2013, 0.4102,  
0.3837

■ 52.8454, 0.4389,  
0.3943

■ 47.2062, 0.4689,  
0.4022

■ 42.2533, 0.4989,  
0.4063

■ 37.9531, 0.5265,  
0.4053

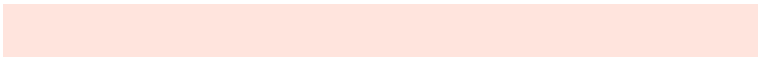
■ 34.2672, 0.5498,  
0.3987

■ 32.8923, 0.5584,  
0.3948

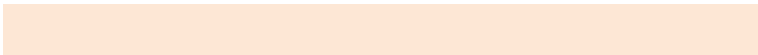
# Harmonies

## Analogous

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



82.8386, 0.3401, 0.3364



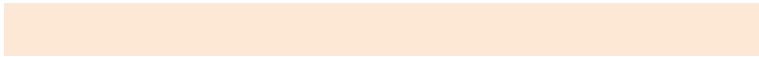
82.8386, 0.3399, 0.3472



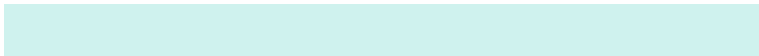
82.8386, 0.3323, 0.3534

# Triad

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



82.8386, 0.3399, 0.3472



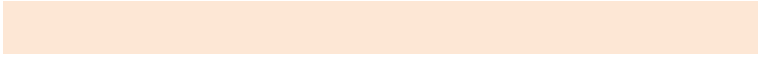
82.8386, 0.2930, 0.3337



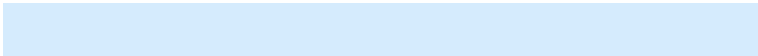
82.8386, 0.3055, 0.3063

# Complementary

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



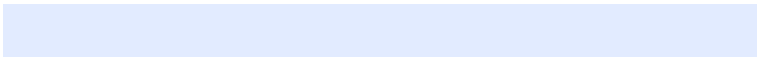
82.8386, 0.3399, 0.3472



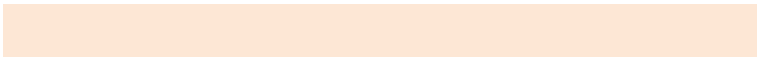
80.6535, 0.2879, 0.3101

# Split Complementary

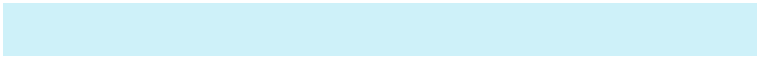
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.8386, 0.2932, 0.3051



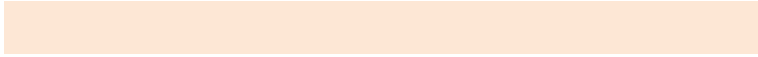
82.8386, 0.3399, 0.3472



82.8386, 0.2861, 0.3206

# Square

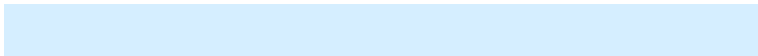
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.8386, 0.3399, 0.3472



82.8386, 0.3051, 0.3457



82.8386, 0.2862, 0.3102

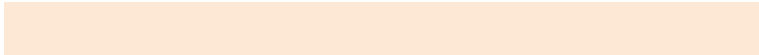


82.8386, 0.3200, 0.3131



# Rectangle

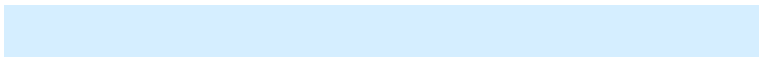
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.8386, 0.3399, 0.3472



82.8386, 0.3241, 0.3540



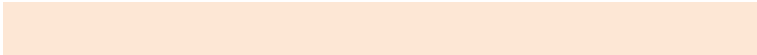
82.8386, 0.2862, 0.3102



82.8386, 0.3010, 0.3052

# Sweetspot

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



82.8423, 0.3399, 0.3472



94.8135, 0.3206, 0.3346



74.4652, 0.3269, 0.3070



20.1417, 0.3218, 0.3354



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

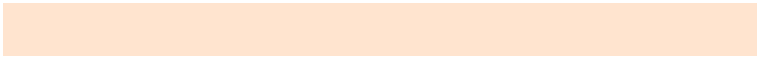


# Same Dimension

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



82.8423, 0.3399, 0.3472



81.4258, 0.3462, 0.3511



94.6932, 0.3368, 0.3665



19.3333, 0.3283, 0.3397



17.7765, 0.5557, 0.3970

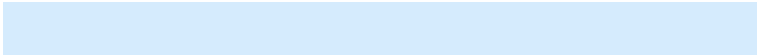


1.9453, 0.5363, 0.4124

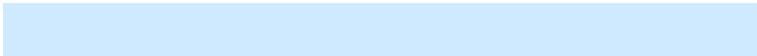


# Inverse Universe

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



80.6535, 0.2879, 0.3101



78.8085, 0.2828, 0.3059



69.8310, 0.2870, 0.2885



19.0339, 0.2979, 0.3180



13.9113, 0.1818, 0.1744

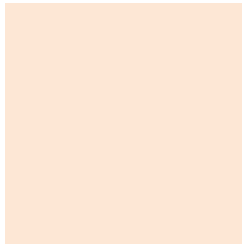


1.5728, 0.1871, 0.1934



# Previews

## White Background



This preview shows how the Yxy color 82.8386, 0.3399, 0.3472 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

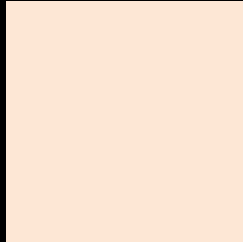
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.8386, 0.3399, 0.3472 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

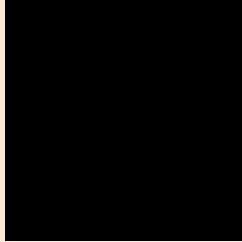
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

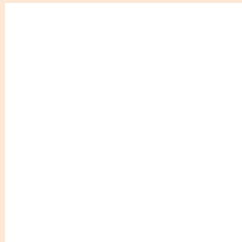
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.8386, 0.3399, 0.3472**

## Background



This preview shows how black text looks on a background with the Yxy color 82.8386, 0.3399, 0.3472.

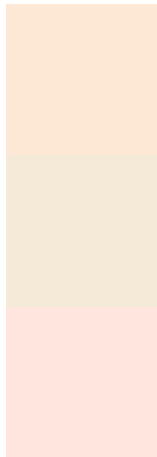


This preview shows how white text looks on a background with the Yxy color 82.8386, 0.3399, 0.3472.

# 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

82.8386, 0.3399, 0.3472

### Protanopia

82.9850, 0.3317, 0.3485

### Deuteranopia

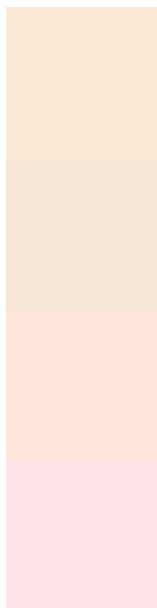
82.5725, 0.3355, 0.3360



## Tritanopia

82.6692, 0.3217, 0.3133

# Trichromacy



## Original Color

82.8386, 0.3399, 0.3472

## Protanomaly

82.9070, 0.3346, 0.3484

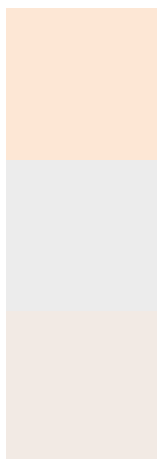
## Deuteranomaly

82.7789, 0.3367, 0.3401

## Tritanomaly

82.3838, 0.3282, 0.3251

# Monochromacy



## Original Color

82.8386, 0.3399, 0.3472

## Achromatopsia

83.8799, 0.3127, 0.3290

## Achromatomaly

83.3243, 0.3219, 0.3351

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.8386, 0.3399, 0.3472 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(253, 231, 213)` looks like.

```
.text, #text, p{  
    color:rgb(253, 231, 213)  
}
```

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(253, 231, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 231, 213) }
```

## Border

The CSS property to change the border of an element to Yxy 82.8386, 0.3399, 0.3472 is called "border". The border property can be set on classes, ids or directly on the HTML element.

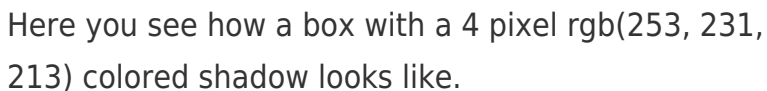
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(253, 231, 213) }
```

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

```
.border{ border-color:rgb(253, 231, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(253, 231, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(253, 231, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(253, 231, 213); box-shadow:4px 4px 4px 4px rgb(253, 231, 213) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.8386, 0.3399, 0.3472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 231, 213) }
```

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

```
.background{ background-color: rgb(253,  
231, 213) }
```

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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