

# Converting Colors

$Y_{xy}(82.1830, 0.3336, 0.3321)$

Have a look what the booklet for  
Yxy(82.1830, 0.3336, 0.3321)  
contains.

<b>Yxy(82.1830, 0.3336, 0.3321)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(82.1830, 0.3336, 0.3321)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE4E1
RGB	255, 228, 225
RGB Percent	100%, 89%, 88%
CMY	0.0002, 0.1058, 0.1177
CMYK	0.00, 0.11, 0.12, 0.00
HSL	6°, 100%, 94%
HSV	6°, 12%, 100%
XYZ	82.5542, 82.1830, 82.7274
YIQ	235.7310, 17.0550, 4.7910

# Conversions

## Conversions Part 2

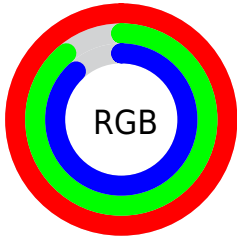
Format	Color
R <sub>Y</sub> B	255, 228, 225
Decimal	16770273
CIE Lab	92.66, 8.71, 4.84
CIE LCh	93, 9.967, 29.041
Yxy	82.1830, 0.3336, 0.3321
Android (android.graphics.Color)	4294960353 (0xFFFFE4E1)
YUV	235.7310, -5.2904, 16.8989
Hunter-Lab	90.6548, 3.9038, 9.3531

# Details

The Yxy color  $82.1830, 0.3336, 0.3321$  is a light color, and the websafe version is hex `FFCCCC`, and the color name is [mistyrose](#). A complement of this color would be  $92.7681, 0.2946, 0.3259$ , and the grayscale version is  $83.6922, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $44.7952, 0.3380, 0.3329$  is the 20% darker color. If you saturate the color by 10%, you get  $69.1215, 0.3559, 0.3349$ , and if you desaturate by 10%, it is  $97.1276, 0.3155, 0.3294$ .

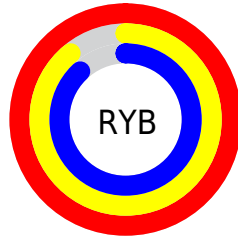
# Distribution



Red (100%)

Green (89%)

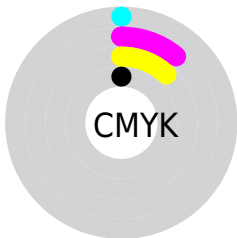
Blue (88%)



Red (100%)

Yellow (89%)

Blue (88%)

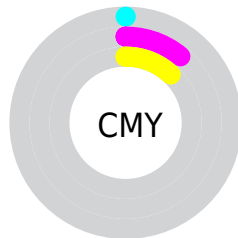


Cyan (0%)

Magenta (11%)

Yellow (12%)

Black (0%)



Cyan (0%)

Magenta (11%)


Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.1830, 0.3336, 0.3321 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 82.1830, 0.3336, 0.3321 by changing the saturation by 10% instead.



 82.1830, 0.3336,  
0.3321

 82.1830, 0.3336,  
0.3321

502.2596, 0.3241,  
0.3308

 61.5164, 0.3357,  
0.3324


136.4306, 0.3303,  
0.3317

 44.6420, 0.3384,  
0.3327

170.7804, 0.3291,  
0.3315

 31.1756, 0.3417,  
0.3331


210.4600, 0.3279,  
0.3313

 20.7326, 0.3459,  
0.3336

255.8539, 0.3270,  
0.3312

 12.9287, 0.3517,  
0.3342

307.3464, 0.3261,  
0.3311

 7.3794, 0.3598,  
0.3350

365.3219, 0.3254,

 3.7005, 0.3722,

0.3310

0.3360

430.1648, 0.3247,  
0.3309

■ 1.5075, 0.3933,  
0.3372

■ 0.2940, 0.6260,  
0.3740

■ 82.1830, 0.3336,  
0.3321

■ 82.1830, 0.3336,  
0.3321

■ 69.1215, 0.3559,  
0.3349

■ 97.1276, 0.3155,  
0.3294

■ 57.8581, 0.3833,  
0.3379

99.9884, 0.3127,  
0.3290

■ 48.3172, 0.4165,  
0.3407

■ 40.4137, 0.4556,  
0.3431

■ 34.0553, 0.4995,  
0.3446

■ 29.1405, 0.5451,  
0.3446

■ 25.5555, 0.5868,  
0.3426

■ 23.1694, 0.6181,  
0.3387

■ 21.9867, 0.6337,  
0.3350

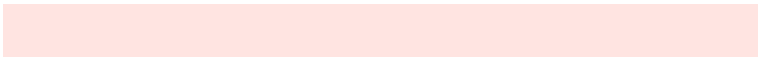
# Harmonies

## Analogous

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



82.1830, 0.3262, 0.3221



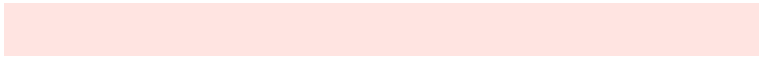
82.1830, 0.3336, 0.3321



82.1830, 0.3353, 0.3415

# Triad

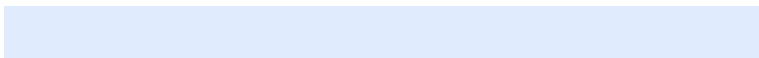
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.1830, 0.3336, 0.3321



82.1830, 0.3100, 0.3447



82.1830, 0.2947, 0.3104

# Complementary

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



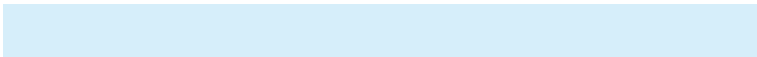
82.1830, 0.3336, 0.3321



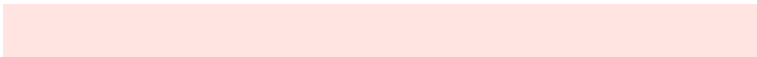
92.7681, 0.2946, 0.3259

# Split Complementary

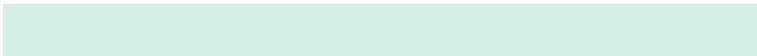
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.1830, 0.2906, 0.3160



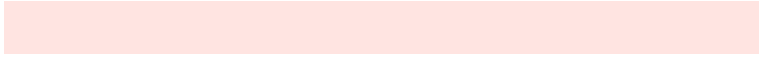
82.1830, 0.3336, 0.3321



82.1830, 0.2993, 0.3359

# Square

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



82.1830, 0.3336, 0.3321



82.1830, 0.3216, 0.3490



82.1830, 0.2923, 0.3253

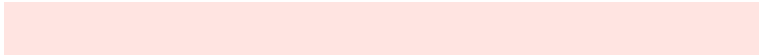


82.1830, 0.3036, 0.3098

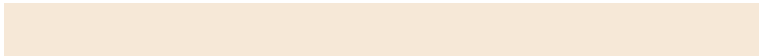


# Rectangle

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



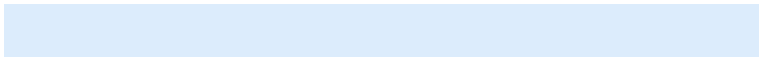
82.1830, 0.3336, 0.3321



82.1830, 0.3330, 0.3461



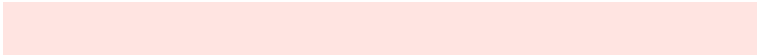
82.1830, 0.2923, 0.3253



82.1830, 0.2927, 0.3118

# Sweetspot

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



82.1866, 0.3336, 0.3321



93.6544, 0.3193, 0.3300



82.1103, 0.3160, 0.3028



19.7979, 0.3205, 0.3302



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

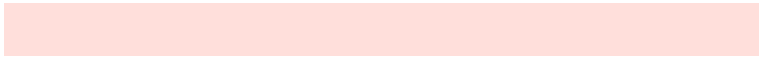


# Same Dimension

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



82.1866, 0.3336, 0.3321



79.1331, 0.3382, 0.3327



90.7568, 0.3318, 0.3467



18.2848, 0.3292, 0.3315



11.5915, 0.6321, 0.3363

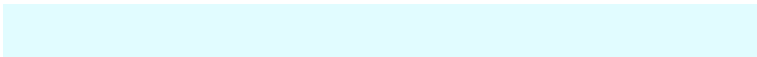


1.2227, 0.6173, 0.3480



# Inverse Universe

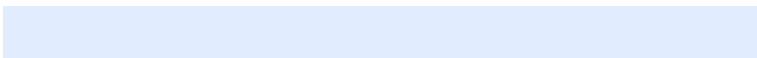
The Inverse Universe completely reimagines the original color for something new.



92.7681, 0.2946, 0.3259



91.5467, 0.2912, 0.3252



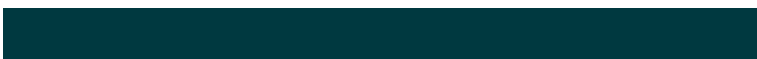
83.7655, 0.2943, 0.3106



20.1463, 0.2980, 0.3265



33.1844, 0.2157, 0.2966

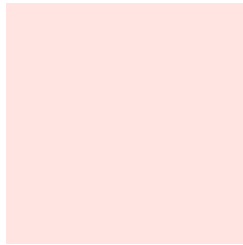


3.3185, 0.2168, 0.3006



# Previews

## White Background



This preview shows how the Yxy color 82.1830, 0.3336, 0.3321 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

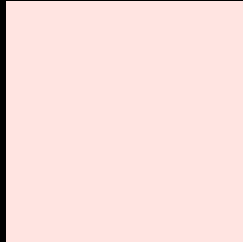
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.1830, 0.3336, 0.3321 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

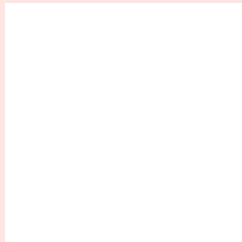
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.1830, 0.3336, 0.3321**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.1830, 0.3336, 0.3321.

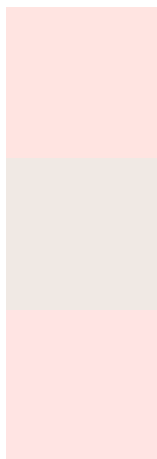


This preview shows how white text looks on a background with the Yxy color 82.1830, 0.3336, 0.3321.

# 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

82.1830, 0.3336, 0.3321

### Protanopia

82.4045, 0.3206, 0.3341

### Deuteranopia

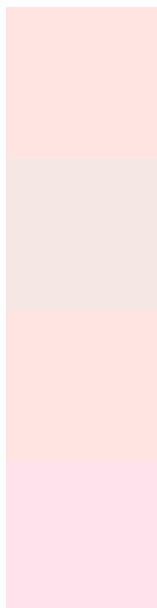
82.2929, 0.3323, 0.3301



## Tritanopia

82.0635, 0.3225, 0.3133

# Trichromacy



## Original Color

82.1830, 0.3336, 0.3321

## Protanomaly

82.1104, 0.3249, 0.3331

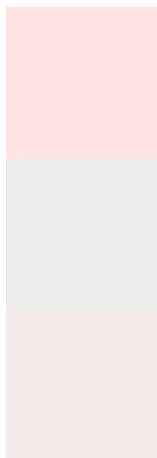
## Deuteranomaly

82.2378, 0.3330, 0.3311

## Tritanomaly

82.2543, 0.3264, 0.3202

# Monochromacy



## Original Color

82.1830, 0.3336, 0.3321

## Achromatopsia

83.8799, 0.3127, 0.3290

## Achromatomaly

83.1587, 0.3201, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.1830, 0.3336, 0.3321 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, 228, 225)` looks like.

```
.text, #text, p{  
    color:rgb(255, 228, 225)  
}
```

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, 228, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 228, 225) }
```

## Border

The CSS property to change the border of an element to Yxy 82.1830, 0.3336, 0.3321 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, 228, 225) }
```

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

```
.border{ border-color:rgb(255, 228, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 228, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 228, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 228, 225);  
box-shadow:4px 4px 4px 4px rgb(255, 228,  
225) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.1830, 0.3336, 0.3321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 228, 225) }
```

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

```
.background{ background-color: rgb(255,  
228, 225) }
```

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