

# Converting Colors

$Y_{xy}(82.1803, 0.3262, 0.3245)$

Have a look what the booklet for  
Yxy(82.1803, 0.3262, 0.3245)  
contains.

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# Color

**Yxy(82.0654, 0.3262, 0.3241)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCE4E9
RGB	252, 228, 233
RGB Percent	99%, 89%, 91%
CMY	0.0117, 0.1059, 0.0864
CMYK	0.00, 0.10, 0.08, 0.01
HSL	348°, 80%, 94%
HSV	348°, 10%, 99%
XYZ	82.5971, 82.0654, 88.5476
YIQ	235.7460, 12.6990, 6.6430

# Conversions

## Conversions Part 2

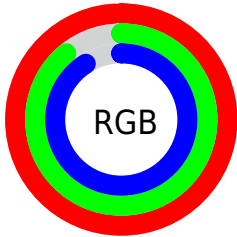
Format	Color
R <sub>Y</sub> B	252, 228, 233
Decimal	16573673
CIE Lab	92.60, 9.02, 0.57
CIE LCh	93, 9.038, 3.590
Yxy	82.0654, 0.3262, 0.3241
Android (android.graphics.Color)	4294763753 (0xFFFC E4E9)
YUV	235.7460, -1.3538, 14.2548
Hunter-Lab	90.5900, 4.2184, 5.4597

# Details

The Yxy color **82.0654, 0.3262, 0.3241** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **92.8482, 0.3007, 0.3340**, and the grayscale version is **83.6820, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.6636, 0.3292, 0.3239** is the 20% darker color. If you saturate the color by 10%, you get **68.1196, 0.3436, 0.3186**, and if you desaturate by 10%, it is **98.1691, 0.3121, 0.3292**.

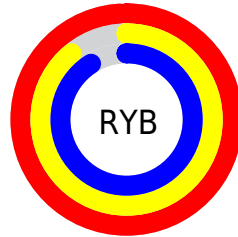
# Distribution



Red (99%)

Green (89%)

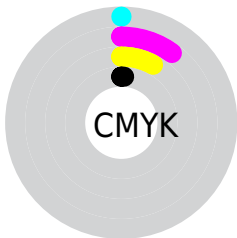
Blue (91%)



Red (99%)

Yellow (89%)

Blue (91%)

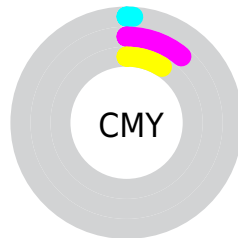


Cyan (0%)

Magenta (10%)

Yellow (8%)

Black (1%)



Cyan (1%)

Magenta (11%)


Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.0654, 0.3262, 0.3241 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 82.0654, 0.3262, 0.3241 by changing the saturation by 10% instead.



 82.0654, 0.3262,  
0.3241

 82.0654, 0.3262,  
0.3241


501.8664, 0.3201,  
0.3263

 61.4194, 0.3276,  
0.3236

136.2657, 0.3241,  
0.3249

 44.5638, 0.3292,  
0.3230

170.5889, 0.3233,  
0.3252

 31.1140, 0.3314,  
0.3222


210.2399, 0.3226,  
0.3254

 20.6856, 0.3341,  
0.3212

255.6031, 0.3219,  
0.3257

 12.8944, 0.3377,  
0.3198

307.0630, 0.3214,  
0.3259

 7.3559, 0.3429,  
0.3179

365.0039, 0.3209,

 3.6856, 0.3507,

0.3260

0.3150

429.8103, 0.3205,  
0.3262

■ 1.4993, 0.3641,  
0.3099

■ 0.2882, 0.4677,  
0.2728

■ 82.0654, 0.3262,  
0.3241

■ 82.0654, 0.3262,  
0.3241

■ 68.1196, 0.3436,  
0.3186

■ 98.1691, 0.3121,  
0.3292

■ 56.2294, 0.3652,  
0.3130

■ 99.4395, 0.3109,  
0.3290

■ 46.3006, 0.3916,  
0.3074

■ 38.2272, 0.4233,  
0.3024

■ 31.8932, 0.4602,  
0.2987

■ 27.1694, 0.5009,  
0.2973

■ 23.9085, 0.5422,  
0.2991

■ 21.9361, 0.5796,  
0.3047

■ 20.9819, 0.6086,  
0.3129

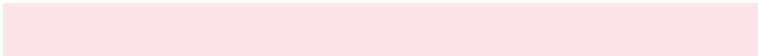
# Harmonies

## Analogous

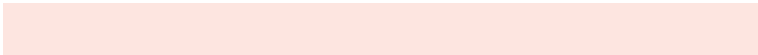
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.0654, 0.3165, 0.3163



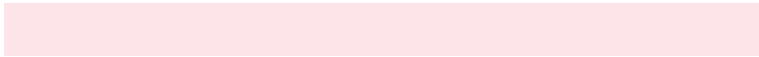
82.0654, 0.3262, 0.3241



82.0654, 0.3322, 0.3332

# Triad

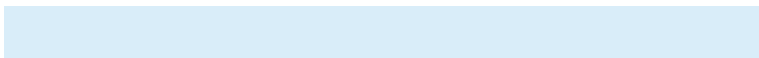
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.0654, 0.3262, 0.3241



82.0654, 0.3192, 0.3469



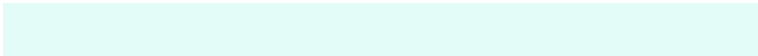
82.0654, 0.2929, 0.3162

# Complementary

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



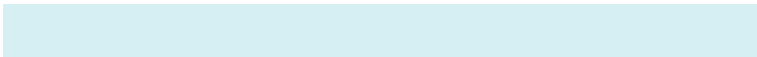
82.0654, 0.3262, 0.3241



92.8482, 0.3007, 0.3340

# 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.



82.0654, 0.2936, 0.3243



82.0654, 0.3262, 0.3241



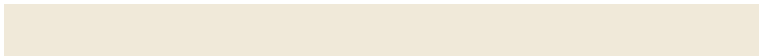
82.0654, 0.3087, 0.3422

# Square

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



82.0654, 0.3262, 0.3241



82.0654, 0.3281, 0.3465



82.0654, 0.2993, 0.3339



82.0654, 0.2974, 0.3117

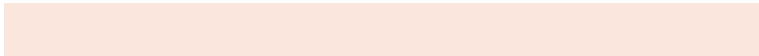


# Rectangle

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



82.0654, 0.3262, 0.3241



82.0654, 0.3334, 0.3389



82.0654, 0.2993, 0.3339



82.0654, 0.2925, 0.3186

# Sweetspot

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



82.0690, 0.3262, 0.3241



94.8309, 0.3167, 0.3275



82.2592, 0.3103, 0.3053



20.0094, 0.3178, 0.3271



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

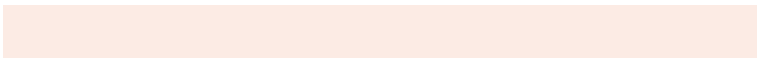
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.0690, 0.3262, 0.3241



82.0392, 0.3285, 0.3233



85.6081, 0.3288, 0.3358



17.2838, 0.3261, 0.3241



10.9267, 0.6061, 0.3112



1.0266, 0.5744, 0.2938



# Inverse Universe

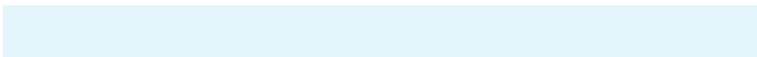
The Inverse Universe completely reimagines the original color for something new.



82.0690, 0.3262, 0.3241



82.0392, 0.3285, 0.3233



88.9600, 0.2979, 0.3221



17.2838, 0.3261, 0.3241



10.9267, 0.6061, 0.3112

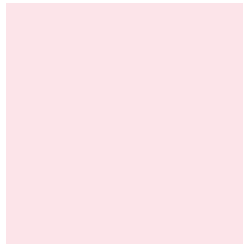


1.0266, 0.5744, 0.2938



# Previews

## White Background



This preview shows how the Yxy color 82.0654, 0.3262, 0.3241 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

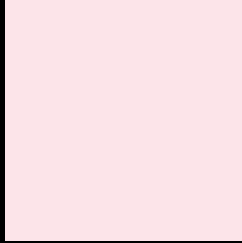
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.0654, 0.3262, 0.3241 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

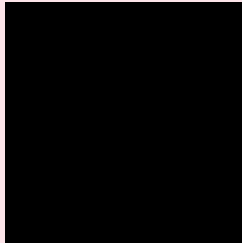
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 82.0654, 0.3262, 0.3241**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.0654, 0.3262, 0.3241.

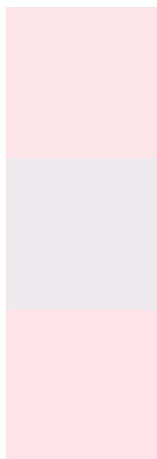


This preview shows how white text looks on a background with the Yxy color 82.0654, 0.3262, 0.3241.

# 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

82.0654, 0.3262, 0.3241

### Protanopia

82.3385, 0.3135, 0.3259

### Deuteranopia

82.0814, 0.3284, 0.3231



## Tritanopia

81.9952, 0.3205, 0.3113

# Trichromacy



## Original Color

82.0654, 0.3262, 0.3241

## Protanomaly

82.0272, 0.3177, 0.3250

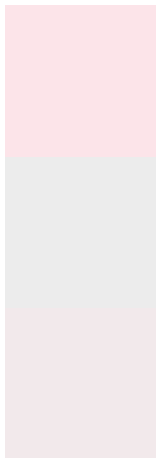
## Deuteranomaly

81.8922, 0.3277, 0.3231

## Tritanomaly

82.1121, 0.3223, 0.3162

# Monochromacy



## Original Color

82.0654, 0.3262, 0.3241

## Achromatopsia

83.8799, 0.3127, 0.3290

## Achromatomaly

83.1532, 0.3176, 0.3270

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.0654, 0.3262, 0.3241 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(252, 228, 233)` looks like.

```
.text, #text, p{  
    color:rgb(252, 228, 233)  
}
```

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(252, 228, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 228, 233) }
```

## Border

The CSS property to change the border of an element to Yxy 82.0654, 0.3262, 0.3241 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(252, 228, 233) }
```

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

```
.border{ border-color:rgb(252, 228, 233) }
```

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

Here you see how a box with a 4 pixel rgb(252, 228, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 228, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 228, 233);  
box-shadow:4px 4px 4px 4px rgb(252, 228,  
233) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.0654, 0.3262, 0.3241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 228, 233) }
```

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

```
.background{ background-color: rgb(252,  
228, 233) }
```

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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