

# Converting Colors

$Y_{xy}(80.6743, 0.3286, 0.3204)$

Have a look what the booklet for  
Yxy(80.6743, 0.3286, 0.3204)  
contains.

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# Color

**Yxy(80.4545, 0.3287, 0.3201)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE0E9
RGB	255, 224, 233
RGB Percent	100%, 88%, 91%
CMY	0.0000, 0.1216, 0.0862
CMYK	0.00, 0.12, 0.09, 0.00
HSL	343°, 100%, 94%
HSV	343°, 12%, 100%
XYZ	82.6160, 80.4545, 88.2712
YIQ	234.2950, 15.5870, 9.3710

# Conversions

## Conversions Part 2

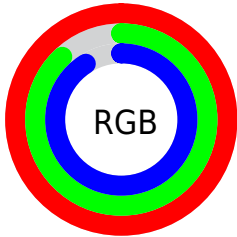
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 224, 233
Decimal	16769257
CIE Lab	91.89, 12.14, -0.47
CIE LCh	92, 12.149, 357.769
Yxy	80.4545, 0.3287, 0.3201
Android (android.graphics.Color)	4294959337 (0xFFFFE0E9)
YUV	234.2950, -0.6384, 18.1583
Hunter-Lab	89.6964, 7.4409, 4.4396

# Details

The Yxy color **80.4545, 0.3287, 0.3201** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **94.0184, 0.2989, 0.3381**, and the grayscale version is **82.5059, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.5560, 0.3325, 0.3189** is the 20% darker color. If you saturate the color by 10%, you get **66.7751, 0.3452, 0.3123**, and if you desaturate by 10%, it is **96.2857, 0.3153, 0.3275**.

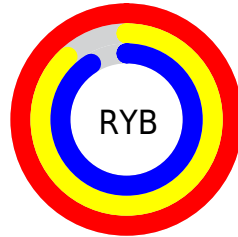
# Distribution



Red (100%)

Green (88%)

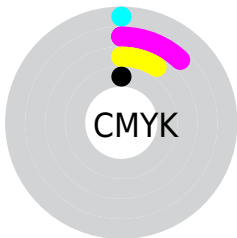
Blue (91%)



Red (100%)

Yellow (88%)

Blue (91%)

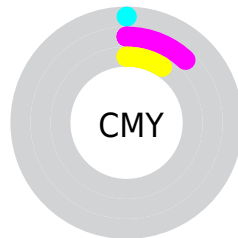


Cyan (0%)

Magenta (12%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (12%)


Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.4545, 0.3287, 0.3201 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 80.4545, 0.3287, 0.3201 by changing the saturation by 10% instead.



 80.4545, 0.3287,  
0.3201

 80.4545, 0.3287,  
0.3201


496.4632, 0.3214,  
0.3241

 60.0924, 0.3303,  
0.3192

134.0045, 0.3262,  
0.3215

 43.4931, 0.3323,  
0.3181


167.9613, 0.3252,  
0.3220

 30.2722, 0.3348,  
0.3167


207.2184, 0.3244,  
0.3225

 20.0453, 0.3381,  
0.3149

252.1603, 0.3236,  
0.3229

 12.4280, 0.3425,  
0.3125

303.1713, 0.3230,  
0.3233

 7.0359, 0.3487,  
0.3090

360.6359, 0.3224,

 3.4845, 0.3581,

0.3236

0.3038

424.9384, 0.3219,  
0.3239

■ 1.3896, 0.3742,  
0.2950

■ 0.2091, 0.5131,  
0.2167

■ 80.4545, 0.3287,  
0.3201

■ 80.4545, 0.3287,  
0.3201

■ 66.7751, 0.3452,  
0.3123

■ 96.2857, 0.3153,  
0.3275

■ 55.1674, 0.3654,  
0.3043

100.0000, 0.3127,  
0.3290

■ 45.5251, 0.3899,  
0.2965

■ 37.7384, 0.4190,  
0.2896

■ 31.6863, 0.4525,  
0.2845

■ 27.2333, 0.4892,  
0.2825

■ 24.2238, 0.5266,  
0.2846

■ 22.4702, 0.5612,  
0.2914

■ 21.7566, 0.5843,  
0.2992

# Harmonies

## Analogous

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



80.4545, 0.3150, 0.3104



80.4545, 0.3287, 0.3201



80.4545, 0.3381, 0.3322

# Triad

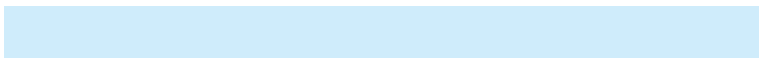
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.4545, 0.3287, 0.3201



80.4545, 0.3241, 0.3537



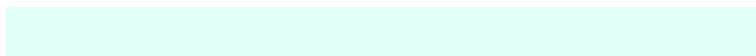
80.4545, 0.2856, 0.3134

# Complementary

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



80.4545, 0.3287, 0.3201



94.0184, 0.2989, 0.3381

# 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.



80.4545, 0.2879, 0.3250



80.4545, 0.3287, 0.3201



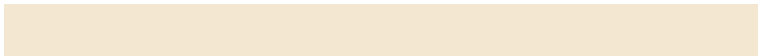
80.4545, 0.3099, 0.3487

# Square

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



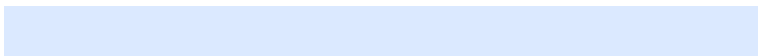
80.4545, 0.3287, 0.3201



80.4545, 0.3354, 0.3518



80.4545, 0.2968, 0.3380



80.4545, 0.2903, 0.3064

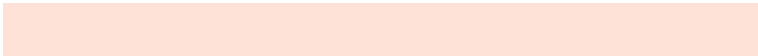


# Rectangle

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



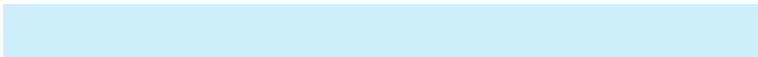
80.4545, 0.3287, 0.3201



80.4545, 0.3406, 0.3402



80.4545, 0.2968, 0.3380



80.4545, 0.2856, 0.3169

# Sweetspot

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



80.4498, 0.3287, 0.3201



93.2067, 0.3175, 0.3262



80.0642, 0.3078, 0.2983



19.6852, 0.3185, 0.3256



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

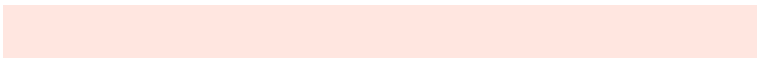
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.4498, 0.3287, 0.3201



76.3514, 0.3330, 0.3179



83.3420, 0.3340, 0.3352



18.0740, 0.3248, 0.3221



11.3906, 0.5801, 0.2969



1.1271, 0.5481, 0.2793



# Inverse Universe

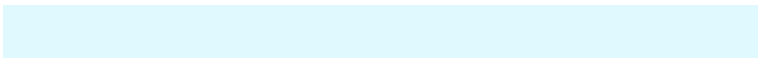
The Inverse Universe completely reimagines the original color for something new.



80.4498, 0.3287, 0.3201



76.3514, 0.3330, 0.3179



90.6923, 0.2939, 0.3227



18.0740, 0.3248, 0.3221



11.3906, 0.5801, 0.2969

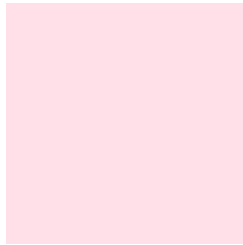


1.1271, 0.5481, 0.2793



# Previews

## White Background



This preview shows how the Yxy color 80.4545, 0.3287, 0.3201 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

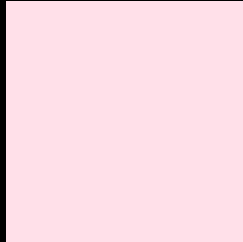
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.4545, 0.3287, 0.3201 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

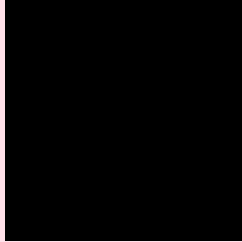
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 80.4545, 0.3287, 0.3201**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.4545, 0.3287, 0.3201.

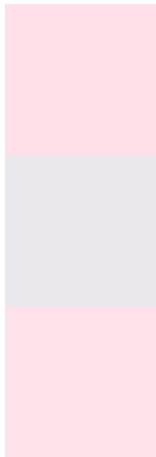


This preview shows how white text looks on a background with the Yxy color 80.4545, 0.3287, 0.3201.

# 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

80.4545, 0.3287, 0.3201

### Protanopia

80.7587, 0.3110, 0.3228

### Deuteranopia

80.8045, 0.3279, 0.3211



## Tritanopia

80.3266, 0.3240, 0.3123

# Trichromacy



## Original Color

80.4545, 0.3287, 0.3201

## Protanomaly

80.4202, 0.3172, 0.3209

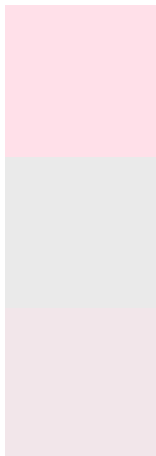
## Deuteranomaly

80.8045, 0.3279, 0.3211

## Tritanomaly

80.1498, 0.3261, 0.3152

# Monochromacy



## Original Color

80.4545, 0.3287, 0.3201

## Achromatopsia

82.2786, 0.3127, 0.3290

## Achromatomaly

81.4114, 0.3184, 0.3250

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.4545, 0.3287, 0.3201 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, 224, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 224, 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(255, 224, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 224, 233) }
```

## Border

The CSS property to change the border of an element to Yxy 80.4545, 0.3287, 0.3201 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, 224, 233) }
```

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

```
.border{ border-color:rgb(255, 224, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 224, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 224, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 224, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 224,  
233) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.4545, 0.3287, 0.3201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 224, 233) }
```

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

```
.background{ background-color: rgb(255,  
224, 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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