

# Converting Colors

Yxy(80.6449, 0.3185, 0.3154)

Have a look what the booklet for  
Yxy(80.6449, 0.3185, 0.3154)  
contains.

<b>Yxy(80.4581, 0.3182, 0.3150)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(80.4581, 0.3182, 0.3150)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7E2F0
RGB	247, 226, 240
RGB Percent	97%, 89%, 94%
CMY	0.0315, 0.1137, 0.0588
CMYK	0.00, 0.08, 0.03, 0.03
HSL	320°, 57%, 93%
HSV	320°, 8%, 97%
XYZ	81.2755, 80.4581, 93.6890
YIQ	233.8750, 8.0220, 8.8060

# Conversions

## Conversions Part 2

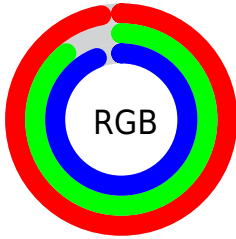
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	247, 226, 240
Decimal	16245488
CIE Lab	91.89, 9.54, -4.21
CIE LCh	92, 10.426, 336.183
Yxy	80.4581, 0.3182, 0.3150
Android (android.graphics.Color)	4294435568 (0xFF7E2F0)
YUV	233.8750, 3.0196, 11.5106
Hunter-Lab	89.6984, 4.7660, 0.8612

# Details

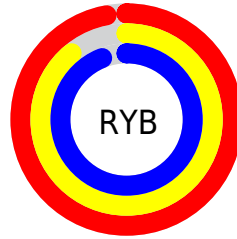
The Yxy color **80.4581, 0.3182, 0.3150** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **88.5580, 0.3076, 0.3434**, and the grayscale version is **82.1523, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.6629, 0.3198, 0.3124** is the 20% darker color. If you saturate the color by 10%, you get **67.5054, 0.3258, 0.2978**, and if you desaturate by 10%, it is **95.3744, 0.3118, 0.3314**.

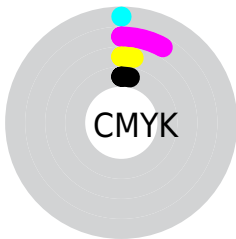
# Distribution



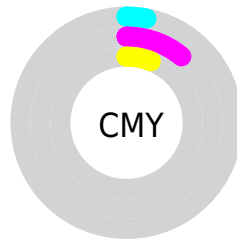
- Red (97%)
- Green (89%)
- Blue (94%)



- Red (97%)
- Yellow (89%)
- Blue (94%)



- Cyan (0%)
- Magenta (8%)
- Yellow (3%)
- Black (3%)




- Cyan (3%)
- Magenta (11%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.4581, 0.3182, 0.3150 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 80.4581, 0.3182, 0.3150 by changing the saturation by 10% instead.



 80.4581, 0.3182,  
0.3150

 80.4581, 0.3182,  
0.3150


496.4753, 0.3157,  
0.3213

 60.0954, 0.3187,  
0.3136


134.0096, 0.3174,  
0.3172

 43.4955, 0.3194,  
0.3119


167.9672, 0.3170,  
0.3180

 30.2741, 0.3202,  
0.3098


207.2252, 0.3167,  
0.3187

 20.0467, 0.3213,  
0.3070

252.1680, 0.3165,  
0.3194

 12.4290, 0.3227,  
0.3034

303.1801, 0.3163,  
0.3199

 7.0366, 0.3247,  
0.2983

360.6457, 0.3161,

 3.4850, 0.3276,

0.3204

0.2907

424.9493, 0.3159,  
0.3209

■ 1.3899, 0.3324,  
0.2781

■ 0.2092, 0.3712,  
0.1799

■ 80.4581, 0.3182,  
0.3150

■ 80.4581, 0.3182,  
0.3150

■ 67.5054, 0.3258,  
0.2978

■ 95.3744, 0.3118,  
0.3314

■ 56.4233, 0.3347,  
0.2802

■ 98.5092, 0.3078,  
0.3290

■ 47.1267, 0.3449,  
0.2627

■ 39.5199, 0.3566,  
0.2462

■ 33.4981, 0.3696,  
0.2316

■ 28.9450, 0.3837,  
0.2202

■ 25.7279, 0.3983,  
0.2129

■ 23.6900, 0.4129,  
0.2106

■ 22.6085, 0.4272,  
0.2133

# Harmonies

## Analogous

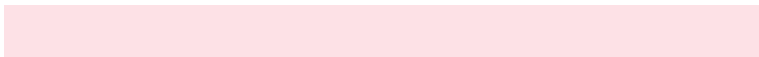
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.4581, 0.3059, 0.3094



80.4581, 0.3182, 0.3150



80.4581, 0.3292, 0.3242

# Triad

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



80.4581, 0.3182, 0.3150



80.4581, 0.3299, 0.3496



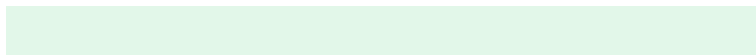
80.4581, 0.2902, 0.3225

# Complementary

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



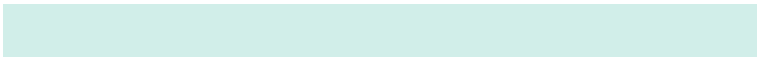
80.4581, 0.3182, 0.3150



88.5580, 0.3076, 0.3434

# Split Complementary

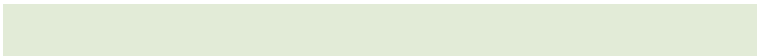
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.4581, 0.2964, 0.3337



80.4581, 0.3182, 0.3150



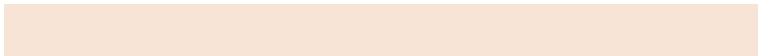
80.4581, 0.3192, 0.3495

# Square

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



80.4581, 0.3182, 0.3150



80.4581, 0.3360, 0.3441



80.4581, 0.3070, 0.3437



80.4581, 0.2899, 0.3135

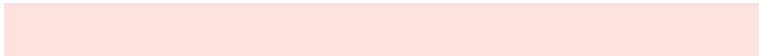


# Rectangle

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



80.4581, 0.3182, 0.3150



80.4581, 0.3342, 0.3312



80.4581, 0.3070, 0.3437



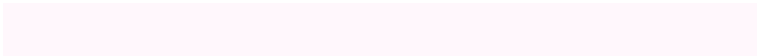
80.4581, 0.2917, 0.3262

# Sweetspot

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



80.4616, 0.3182, 0.3150



95.0531, 0.3146, 0.3241



78.3794, 0.3040, 0.3075



20.0693, 0.3151, 0.3228



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

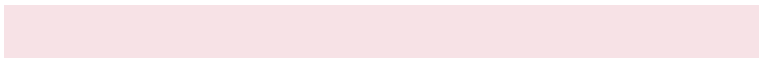
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.4616, 0.3182, 0.3150



84.2619, 0.3193, 0.3124



79.8750, 0.3249, 0.3252



16.6692, 0.3189, 0.3133



11.9204, 0.4270, 0.2126



1.0667, 0.4103, 0.2034



# Inverse Universe

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



80.4616, 0.3182, 0.3150



84.2619, 0.3193, 0.3124



89.1549, 0.3018, 0.3329



16.6692, 0.3189, 0.3133



11.9204, 0.4270, 0.2126

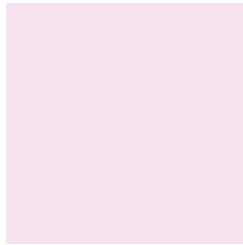


1.0667, 0.4103, 0.2034



# Previews

## White Background



This preview shows how the Yxy color 80.4581, 0.3182, 0.3150 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

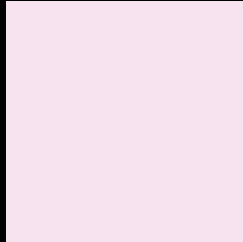
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.4581, 0.3182, 0.3150 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

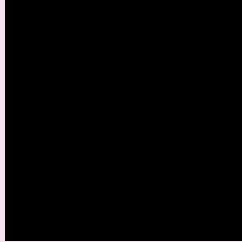
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 80.4581, 0.3182, 0.3150**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.4581, 0.3182, 0.3150.



This preview shows how white text looks on a background with the Yxy color 80.4581, 0.3182, 0.3150.

# 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

80.4581, 0.3182, 0.3150

### Protanopia

80.3883, 0.3066, 0.3157

### Deuteranopia

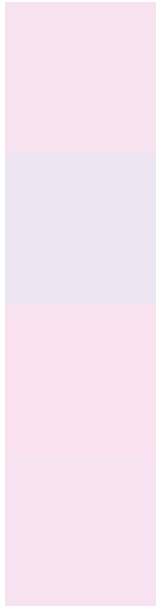
80.4657, 0.3204, 0.3141



## Tritanopia

80.6379, 0.3163, 0.3120

# Trichromacy



## Original Color

80.4581, 0.3182, 0.3150

## Protanomaly

80.6266, 0.3106, 0.3158

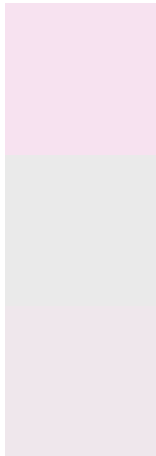
## Deuteranomaly

80.2814, 0.3197, 0.3141

## Tritanomaly

80.5777, 0.3169, 0.3130

# Monochromacy



## Original Color

80.4581, 0.3182, 0.3150

## Achromatopsia

82.2786, 0.3127, 0.3290

## Achromatomaly

81.5587, 0.3150, 0.3239

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.4581, 0.3182, 0.3150 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(247, 226, 240)` looks like.

```
.text, #text, p{  
    color:rgb(247, 226, 240)  
}
```

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(247, 226, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 226, 240) }
```

## Border

The CSS property to change the border of an element to Yxy 80.4581, 0.3182, 0.3150 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(247, 226, 240) }
```

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

```
.border{ border-color:rgb(247, 226, 240) }
```

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

Here you see how a box with a 4 pixel rgb(247, 226, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 226, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 226, 240);  
box-shadow:4px 4px 4px 4px rgb(247, 226,  
240) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.4581, 0.3182, 0.3150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 226, 240) }
```

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

```
.background{ background-color: rgb(247,  
226, 240) }
```

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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