

# Converting Colors

Yxy(87.6183, 0.3181, 0.3393)

Have a look what the booklet for  
Yxy(87.6183, 0.3181, 0.3393)  
contains.

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# Color

**Yxy(87.7990, 0.3181, 0.3401)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0F2E7
RGB	240, 242, 231
RGB Percent	94%, 95%, 91%
CMY	0.0587, 0.0510, 0.0940
CMYK	0.01, 0.00, 0.05, 0.05
HSL	71°, 30%, 93%
HSV	71°, 5%, 95%
XYZ	82.1196, 87.7990, 88.2379
YIQ	240.1480, 2.3390, -3.8450

# Conversions

## Conversions Part 2

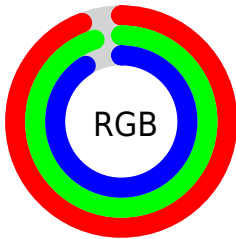
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	231, 242, 233
Decimal	15790823
CIE <sub>Lab</sub>	95.08, -2.56, 5.05
CIE <sub>LCh</sub>	95, 5.658, 116.884
Yxy	87.7990, 0.3181, 0.3401
Android (android.graphics.Color)	4293980903 (0xFFFF0F2E7)
YUV	240.1480, -4.5100, -0.1298
Hunter-Lab	93.7011, -7.5398, 9.7577

# Details

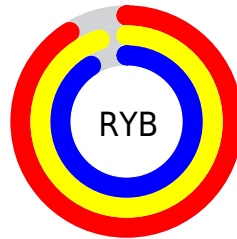
The Yxy color **87.7990, 0.3181, 0.3401** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **80.9003, 0.3072, 0.3177**, and the grayscale version is **87.2999, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.4033, 0.3196, 0.3433** is the 20% darker color. If you saturate the color by 10%, you get **85.7758, 0.3302, 0.3656**, and if you desaturate by 10%, it is **90.0226, 0.3065, 0.3163**.

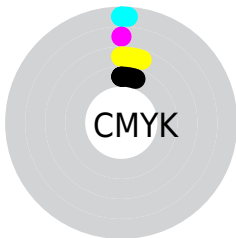
# Distribution



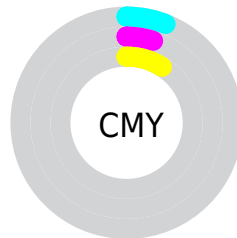
- Red (94%)
- Green (95%)
- Blue (91%)



- Red (91%)
- Yellow (95%)
- Blue (91%)



- Cyan (1%)
- Magenta (0%)
- Yellow (5%)
- Black (5%)



- Cyan (6%)
- Magenta (5%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.7990, 0.3181, 0.3401 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 87.7990, 0.3181, 0.3401 by changing the saturation by 10% instead.



87.7990, 0.3181,  
0.3401

87.7990, 0.3181,  
0.3401

520.8448, 0.3157,  
0.3351

66.1566, 0.3186,  
0.3412

144.2773, 0.3173,  
0.3384

48.3996, 0.3193,  
0.3426

179.8820, 0.3170,  
0.3377

34.1434, 0.3201,  
0.3443

220.9096, 0.3167,  
0.3371

23.0038, 0.3211,  
0.3464

267.7445, 0.3164,  
0.3366

14.5963, 0.3224,  
0.3493

320.7710, 0.3162,  
0.3362

8.5366, 0.3243,  
0.3534

380.3737, 0.3160,

4.4402, 0.3270,

0.3358

0.3594

446.9368, 0.3159,  
0.3354

■ 1.9227, 0.3315,  
0.3695

■ 0.5620, 0.3649,  
0.4347

■ 87.7990, 0.3181,  
0.3401

■ 87.7990, 0.3181,  
0.3401

■ 85.7758, 0.3302,  
0.3656

■ 90.0226, 0.3065,  
0.3163

■ 83.9482, 0.3423,  
0.3919

■ 90.8118, 0.3093,  
0.3164

■ 82.3118, 0.3540,  
0.4185

■ 91.6195, 0.3121,  
0.3165

■ 80.8576, 0.3648,  
0.4443

■ 91.9823, 0.3133,  
0.3165

■ 79.5756, 0.3741,  
0.4684

■ 78.4552, 0.3814,  
0.4895

■ 77.4842, 0.3863,  
0.5068

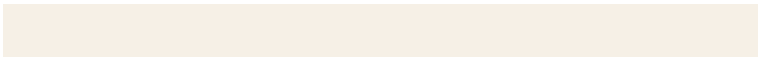
■ 76.6484, 0.3886,  
0.5195

■ 75.9307, 0.3883,  
0.5276

# Harmonies

## Analogous

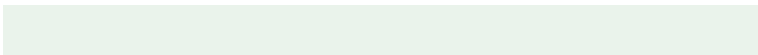
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.7990, 0.3231, 0.3393



87.7990, 0.3181, 0.3401



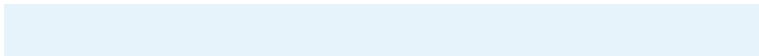
87.7990, 0.3117, 0.3379

# Triad

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



87.7990, 0.3181, 0.3401



87.7990, 0.3003, 0.3222



87.7990, 0.3198, 0.3248

# Complementary

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



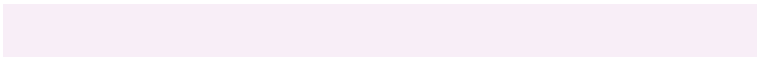
87.7990, 0.3181, 0.3401



80.9003, 0.3072, 0.3177

# 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.



87.7990, 0.3136, 0.3204



87.7990, 0.3181, 0.3401



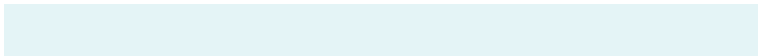
87.7990, 0.3024, 0.3188

# Square

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



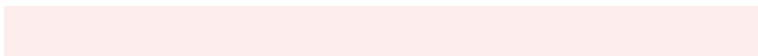
87.7990, 0.3181, 0.3401



87.7990, 0.3015, 0.3275



87.7990, 0.3073, 0.3182



87.7990, 0.3241, 0.3304

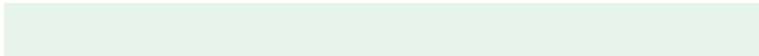


# Rectangle

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



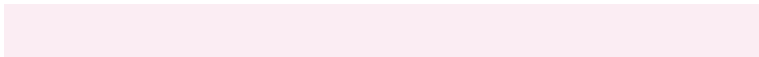
87.7990, 0.3181, 0.3401



87.7990, 0.3075, 0.3350



87.7990, 0.3073, 0.3182



87.7990, 0.3179, 0.3231

# Sweetspot

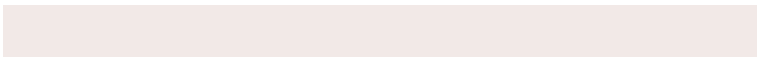
The Sweet Spot groups the original color and five complimentary colors.



87.8028, 0.3181, 0.3401



99.7500, 0.3139, 0.3314



82.8430, 0.3201, 0.3309



21.3532, 0.3138, 0.3313



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.



87.8028, 0.3181, 0.3401



98.7736, 0.3187, 0.3413



86.8815, 0.3146, 0.3402



18.4721, 0.3195, 0.3430



40.6551, 0.3879, 0.5302



3.4192, 0.3923, 0.5267



# Inverse Universe

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



80.9003, 0.3072, 0.3177



90.2035, 0.3066, 0.3165



81.8129, 0.3108, 0.3179



16.6609, 0.3057, 0.3148



3.7675, 0.1582, 0.0645

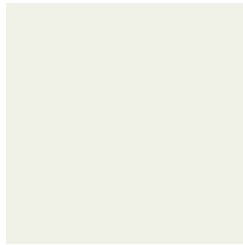


0.3516, 0.1695, 0.0707



# Previews

## White Background



This preview shows how the Yxy color 87.7990, 0.3181, 0.3401 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

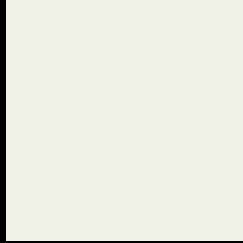
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.7990, 0.3181, 0.3401 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

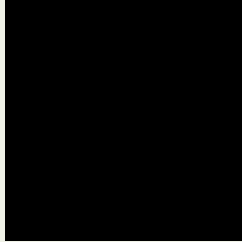
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

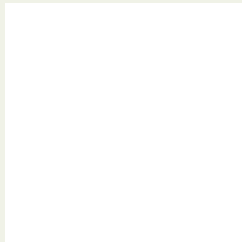
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 87.7990, 0.3181, 0.3401**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.7990, 0.3181, 0.3401.

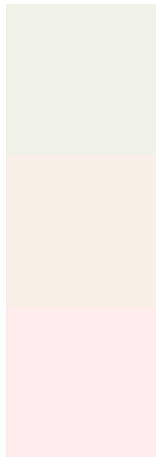


This preview shows how white text looks on a background with the Yxy color 87.7990, 0.3181, 0.3401.

# 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

87.7990, 0.3181, 0.3401

### Protanopia

87.9898, 0.3242, 0.3390

### Deuteranopia

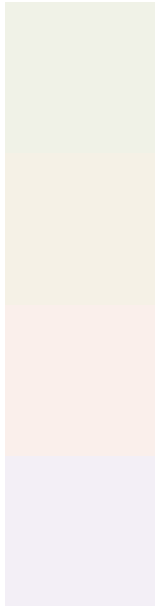
87.9428, 0.3248, 0.3290



## Tritanopia

87.6022, 0.3063, 0.3123

# Trichromacy



## Original Color

87.7990, 0.3181, 0.3401

## Protanomaly

88.0362, 0.3221, 0.3401

## Deuteranomaly

88.0552, 0.3225, 0.3330

## Tritanomaly

87.4415, 0.3111, 0.3220

# Monochromacy



## Original Color

87.7990, 0.3181, 0.3401

## Achromatopsia

87.1367, 0.3127, 0.3290

## Achromatomaly

87.5503, 0.3145, 0.3330

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.7990, 0.3181, 0.3401 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(240, 242, 231)` looks like.

```
.text, #text, p{  
    color:rgb(240, 242, 231)  
}
```

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(240, 242, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 242, 231) }
```

## Border

The CSS property to change the border of an element to Yxy 87.7990, 0.3181, 0.3401 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(240, 242, 231) }
```

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

```
.border{ border-color:rgb(240, 242, 231) }
```

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

Here you see how a box with a 4 pixel rgb(240, 242, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 242, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 242, 231);  
box-shadow:4px 4px 4px 4px rgb(240, 242,  
231) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.7990, 0.3181, 0.3401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 242, 231) }
```

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

```
.background{ background-color: rgb(240,  
242, 231) }
```

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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