

# Converting Colors

$Y_{xy}(80.8070, 0.3235, 0.3396)$

Have a look what the booklet for  
Yxy(80.8070, 0.3235, 0.3396)  
contains.

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# Color

**Yxy(81.1108, 0.3239, 0.3404)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEE8DD
RGB	238, 232, 221
RGB Percent	93%, 91%, 87%
CMY	0.0665, 0.0902, 0.1333
CMYK	0.00, 0.03, 0.07, 0.07
HSL	39°, 33%, 90%
HSV	39°, 7%, 93%
XYZ	77.1792, 81.1108, 79.9909
YIQ	232.5400, 7.1070, -2.1490

# Conversions

## Conversions Part 2

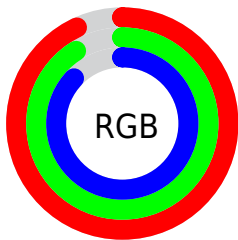
Format	Color
R <sub>Y</sub> B	230, 238, 221
Decimal	15657181
CIE Lab	92.18, 0.17, 6.06
CIE LCh	92, 6.058, 88.364
Yxy	81.1108, 0.3239, 0.3404
Android (android.graphics.Color)	4293847261 (0xFFEEE8DD)
YUV	232.5400, -5.6892, 4.7884
Hunter-Lab	90.0615, -4.6403, 10.3829

# Details

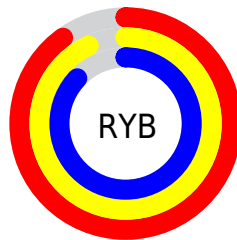
The Yxy color **81.1108, 0.3239, 0.3404** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **76.5156, 0.3017, 0.3173**, and the grayscale version is **81.1679, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.7489, 0.3264, 0.3424** is the 20% darker color. If you saturate the color by 10%, you get **75.2871, 0.3410, 0.3570**, and if you desaturate by 10%, it is **87.3506, 0.3085, 0.3246**.

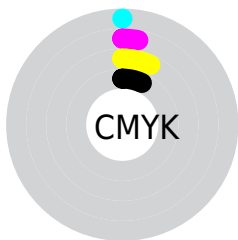
# Distribution



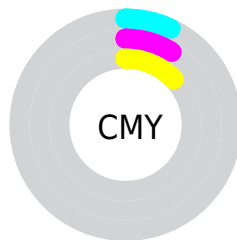
- Red (93%)
- Green (91%)
- Blue (87%)



- Red (90%)
- Yellow (93%)
- Blue (87%)



- Cyan (0%)
- Magenta (3%)
- Yellow (7%)
- Black (7%)



- Cyan (7%)
- Magenta (9%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.1108, 0.3239, 0.3404 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 81.1108, 0.3239, 0.3404 by changing the saturation by 10% instead.



81.1108, 0.3239,  
0.3404

81.1108, 0.3239,  
0.3404

498.6685, 0.3188,  
0.3352

60.6329, 0.3250,  
0.3416

134.9263, 0.3222,  
0.3386

43.9289, 0.3264,  
0.3430

169.0327, 0.3215,  
0.3379

30.6146, 0.3282,  
0.3448

208.4507, 0.3209,  
0.3373

20.3056, 0.3305,  
0.3471

253.5647, 0.3204,  
0.3368

12.6174, 0.3335,  
0.3502

304.7591, 0.3199,  
0.3363

7.1656, 0.3378,  
0.3545

362.4182, 0.3195,

3.5659, 0.3444,

0.3359

0.3612

426.9265, 0.3191,  
0.3356

■ 1.4338, 0.3555,  
0.3725

■ 0.2414, 0.4919,  
0.5081

■ 81.1108, 0.3239,  
0.3404

■ 81.1108, 0.3239,  
0.3404

■ 75.2871, 0.3410,  
0.3570

■ 87.3506, 0.3085,  
0.3246

■ 69.8581, 0.3598,  
0.3742

■ 93.0986, 0.3024,  
0.3230

■ 64.8162, 0.3801,  
0.3913

■ 96.9258, 0.3024,  
0.3290

■ 60.1492, 0.4016,  
0.4076

■ 55.8443, 0.4236,  
0.4222

■ 51.8874, 0.4452,  
0.4340

■ 48.2630, 0.4653,  
0.4416

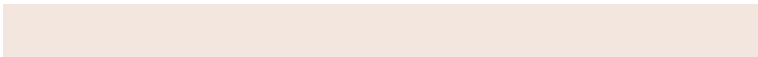
■ 44.9535, 0.4829,  
0.4443

■ 41.9367, 0.4971,  
0.4418

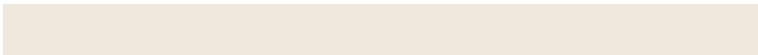
# Harmonies

## Analogous

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



81.1108, 0.3265, 0.3366



81.1108, 0.3239, 0.3404



81.1108, 0.3183, 0.3412

# Triad

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



81.1108, 0.3239, 0.3404



81.1108, 0.3003, 0.3270



81.1108, 0.3141, 0.3197

# Complementary

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



81.1108, 0.3239, 0.3404



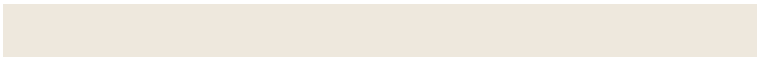
76.5156, 0.3017, 0.3173

# 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.



81.1108, 0.3071, 0.3172



81.1108, 0.3239, 0.3404



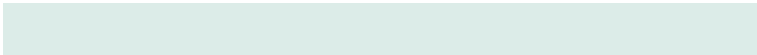
81.1108, 0.2991, 0.3212

# Square

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



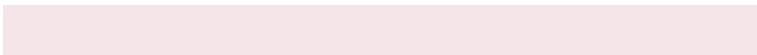
81.1108, 0.3239, 0.3404



81.1108, 0.3047, 0.3334



81.1108, 0.3016, 0.3177

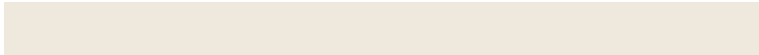


81.1108, 0.3208, 0.3247



# Rectangle

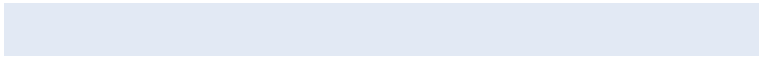
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.1108, 0.3239, 0.3404



81.1108, 0.3137, 0.3398



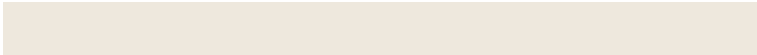
81.1108, 0.3016, 0.3177



81.1108, 0.3117, 0.3185

# Sweetspot

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



81.1143, 0.3239, 0.3404



98.5253, 0.3158, 0.3321



75.4564, 0.3207, 0.3225



21.1040, 0.3156, 0.3320



0.0000, 0.0000, 0.0000

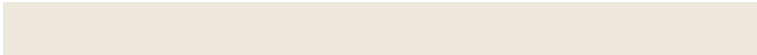


21.4041, 0.3127, 0.3290

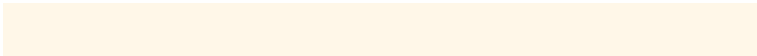


# Same Dimension

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



81.1143, 0.3239, 0.3404



93.5169, 0.3270, 0.3435



84.1929, 0.3218, 0.3466



17.4592, 0.3277, 0.3442



23.1861, 0.4992, 0.4419



2.1157, 0.4859, 0.4524

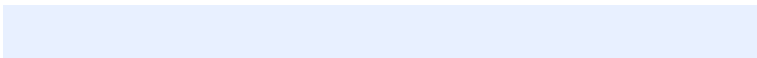


# Inverse Universe

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



76.5156, 0.3017, 0.3173



86.8241, 0.2987, 0.3141



73.6177, 0.3033, 0.3109



16.1476, 0.2980, 0.3133



7.2505, 0.1649, 0.1138

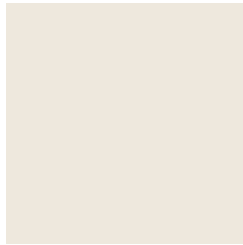


0.7844, 0.1722, 0.1400



# Previews

## White Background



This preview shows how the Yxy color 81.1108, 0.3239, 0.3404 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

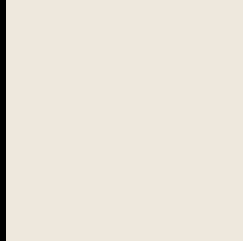
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.1108, 0.3239, 0.3404 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

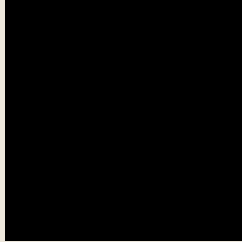
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

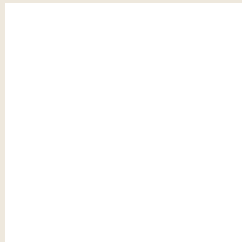
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 81.1108, 0.3239, 0.3404**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.1108, 0.3239, 0.3404.

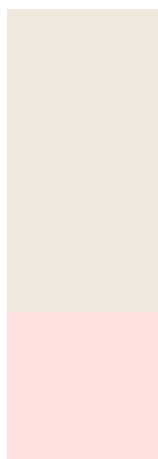


This preview shows how white text looks on a background with the Yxy color 81.1108, 0.3239, 0.3404.

# 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

81.1108, 0.3239, 0.3404

### Protanopia

81.2844, 0.3246, 0.3404

### Deuteranopia

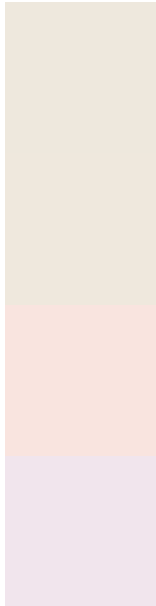
81.0345, 0.3346, 0.3311



## Tritanopia

81.0179, 0.3108, 0.3109

# Trichromacy



## Original Color

81.1108, 0.3239, 0.3404

## Protanomaly

81.2844, 0.3246, 0.3404

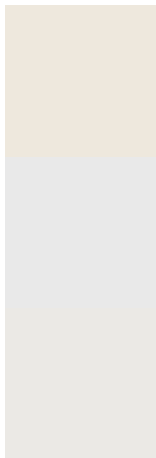
## Deuteranomaly

80.9543, 0.3307, 0.3341

## Tritanomaly

80.8538, 0.3158, 0.3209

# Monochromacy



## Original Color

81.1108, 0.3239, 0.3404

## Achromatopsia

81.4847, 0.3127, 0.3290

## Achromatomaly

81.5971, 0.3166, 0.3331

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.1108, 0.3239, 0.3404 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(238, 232, 221)` looks like.

```
.text, #text, p{  
    color:rgb(238, 232, 221)  
}
```

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(238, 232, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 232, 221) }
```

## Border

The CSS property to change the border of an element to Yxy 81.1108, 0.3239, 0.3404 is called "border". The border property can be set on classes, ids or directly on the HTML element.

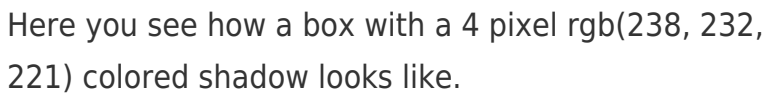
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(238, 232, 221) }
```

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

```
.border{ border-color:rgb(238, 232, 221) }
```

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



Here you see how a box with a 4 pixel `rgb(238, 232, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(238, 232, 221); -webkit-box-shadow:4px 4px 4px 4px rgb(238, 232, 221); box-shadow:4px 4px 4px 4px rgb(238, 232, 221) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.1108, 0.3239, 0.3404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 232, 221) }
```

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

```
.background{ background-color: rgb(238,  
232, 221) }
```

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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