

# Converting Colors

$Y_{xy}(81.3117, 0.3245, 0.3412)$

Have a look what the booklet for  
Yxy(81.3117, 0.3245, 0.3412)  
contains.

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# Color

**Yxy(81.0577, 0.3245, 0.3415)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEE8DC
RGB	238, 232, 220
RGB Percent	93%, 91%, 86%
CMY	0.0668, 0.0901, 0.1374
CMYK	0.00, 0.02, 0.08, 0.07
HSL	40°, 35%, 90%
HSV	40°, 8%, 93%
XYZ	77.0226, 81.0577, 79.2775
YIQ	232.4260, 7.4280, -2.4600

# Conversions

## Conversions Part 2

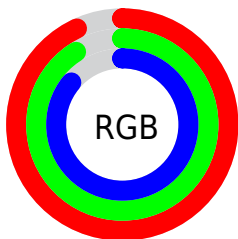
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	229, 238, 220
Decimal	15657180
CIE Lab	92.16, -0.04, 6.55
CIE LCh	92, 6.553, 90.358
Yxy	81.0577, 0.3245, 0.3415
Android (android.graphics.Color)	4293847260 (0xFFEEE8DC)
YUV	232.4260, -6.1260, 4.8884
Hunter-Lab	90.0320, -4.8489, 10.8148

# Details

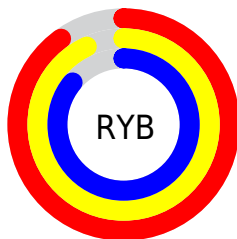
The Yxy color **81.0577, 0.3245, 0.3415** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.7311, 0.3011, 0.3162**, and the grayscale version is **81.0721, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.7124, 0.3272, 0.3438** is the 20% darker color. If you saturate the color by 10%, you get **75.5603, 0.3415, 0.3588**, and if you desaturate by 10%, it is **86.9397, 0.3091, 0.3251**.

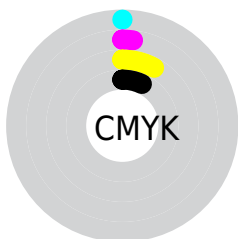
# Distribution



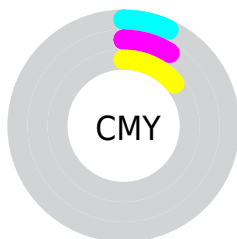
- Red (93%)
- Green (91%)
- Blue (86%)



- Red (90%)
- Yellow (93%)
- Blue (86%)



- Cyan (0%)
- Magenta (2%)
- Yellow (8%)
- Black (7%)



- Cyan (7%)
- Magenta (9%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.0577, 0.3245, 0.3415 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 81.0577, 0.3245, 0.3415 by changing the saturation by 10% instead.



81.0577, 0.3245,  
0.3415

81.0577, 0.3245,  
0.3415

498.4902, 0.3191,  
0.3358

60.5891, 0.3257,  
0.3428

134.8518, 0.3227,  
0.3396

43.8937, 0.3272,  
0.3443

168.9461, 0.3219,  
0.3388

30.5869, 0.3290,  
0.3463

208.3511, 0.3213,  
0.3381

20.2845, 0.3314,  
0.3488

253.4511, 0.3208,  
0.3376

12.6020, 0.3346,  
0.3522

304.6307, 0.3203,  
0.3370

7.1551, 0.3392,  
0.3570

362.2741, 0.3199,

3.5593, 0.3460,

0.3366

0.3644

426.7659, 0.3195,  
0.3362

■ 1.4302, 0.3577,  
0.3767

■ 0.2388, 0.4862,  
0.5138

■ 81.0577, 0.3245,  
0.3415

■ 81.0577, 0.3245,  
0.3415

■ 75.5603, 0.3415,  
0.3588

■ 86.9397, 0.3091,  
0.3251

■ 70.4268, 0.3601,  
0.3765

■ 92.3693, 0.3024,  
0.3218

■ 65.6500, 0.3801,  
0.3942

■ 96.9109, 0.3023,  
0.3290

■ 61.2186, 0.4010,  
0.4110

■ 57.1203, 0.4222,  
0.4260

■ 53.3417, 0.4427,  
0.4381

■ 49.8680, 0.4617,  
0.4460

■ 46.6822, 0.4779,  
0.4490

■ 43.7624, 0.4909,  
0.4470

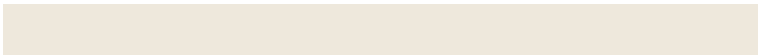
# Harmonies

## Analogous

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



81.0577, 0.3276, 0.3376



81.0577, 0.3245, 0.3415



81.0577, 0.3183, 0.3421

# Triad

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



81.0577, 0.3245, 0.3415



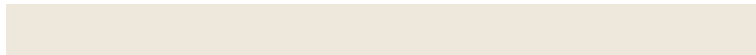
81.0577, 0.2990, 0.3264



81.0577, 0.3147, 0.3193

# Complementary

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



81.0577, 0.3245, 0.3415



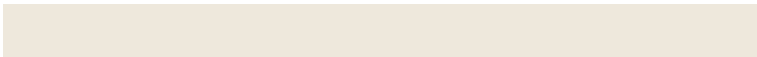
75.7311, 0.3011, 0.3162

# 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.



81.0577, 0.3071, 0.3163



81.0577, 0.3245, 0.3415



81.0577, 0.2981, 0.3203

# Square

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



81.0577, 0.3245, 0.3415



81.0577, 0.3036, 0.3333



81.0577, 0.3010, 0.3166

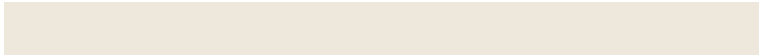


81.0577, 0.3219, 0.3248



# Rectangle

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



81.0577, 0.3245, 0.3415



81.0577, 0.3132, 0.3405



81.0577, 0.3010, 0.3166



81.0577, 0.3121, 0.3179

# Sweetspot

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



81.0612, 0.3245, 0.3415



98.6054, 0.3158, 0.3323



74.8334, 0.3216, 0.3228



21.1203, 0.3156, 0.3321



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

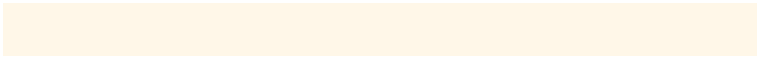


# Same Dimension

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



81.0612, 0.3245, 0.3415



93.8658, 0.3269, 0.3440



83.9503, 0.3219, 0.3477



17.5276, 0.3276, 0.3448



24.2907, 0.4924, 0.4472



2.2021, 0.4804, 0.4568

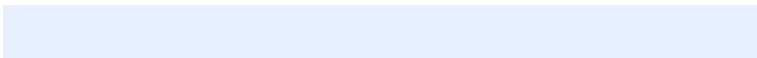


# Inverse Universe

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



75.7311, 0.3011, 0.3162



86.4886, 0.2987, 0.3135



73.0277, 0.3031, 0.3099



16.0819, 0.2980, 0.3127



6.7458, 0.1631, 0.1073

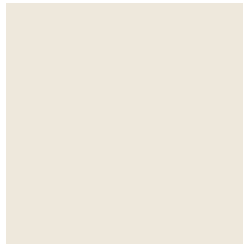


0.7367, 0.1704, 0.1333



# Previews

## White Background



This preview shows how the Yxy color 81.0577, 0.3245, 0.3415 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

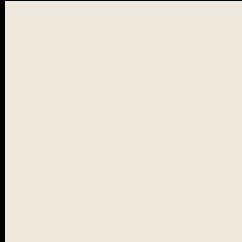
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.0577, 0.3245, 0.3415 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

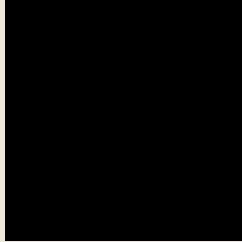
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

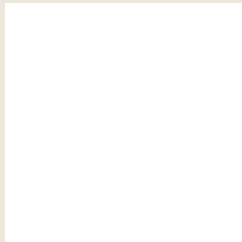
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 81.0577, 0.3245, 0.3415**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.0577, 0.3245, 0.3415.

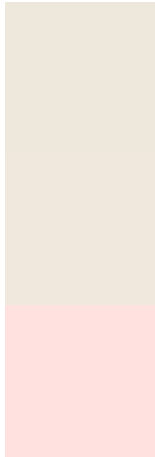


This preview shows how white text looks on a background with the Yxy color 81.0577, 0.3245, 0.3415.

# 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

81.0577, 0.3245, 0.3415

### Protanopia

81.4058, 0.3259, 0.3414

### Deuteranopia

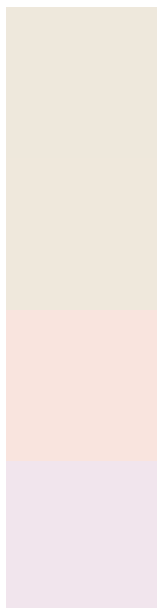
80.9804, 0.3352, 0.3321



## Tritanopia

81.0179, 0.3108, 0.3109

# Trichromacy



## Original Color

81.0577, 0.3245, 0.3415

## Protanomaly

81.2313, 0.3252, 0.3414

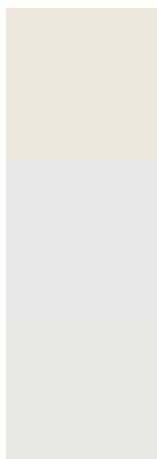
## Deuteranomaly

80.9005, 0.3314, 0.3351

## Tritanomaly

80.8538, 0.3158, 0.3209

# Monochromacy



## Original Color

81.0577, 0.3245, 0.3415

## Achromatopsia

80.6952, 0.3127, 0.3290

## Achromatomaly

80.8071, 0.3166, 0.3332

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.0577, 0.3245, 0.3415 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, 220)` looks like.

```
.text, #text, p{  
    color:rgb(238, 232, 220)  
}
```

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, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 232, 220) }
```

## Border

The CSS property to change the border of an element to Yxy 81.0577, 0.3245, 0.3415 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, 220) }
```

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

```
.border{ border-color:rgb(238, 232, 220) }
```

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, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 232, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 232, 220);  
box-shadow:4px 4px 4px 4px rgb(238, 232,  
220) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.0577, 0.3245, 0.3415 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, 220) }
```

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

```
.background{ background-color: rgb(238,  
232, 220) }
```

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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