

# Converting Colors

$Y_{xy}(80.8697, 0.3261, 0.3431)$

Have a look what the booklet for  
Yxy(80.8697, 0.3261, 0.3431)  
contains.

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# Color

**Yxy(80.9523, 0.3258, 0.3436)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEE8DA
RGB	238, 232, 218
RGB Percent	93%, 91%, 85%
CMY	0.0668, 0.0901, 0.1452
CMYK	0.00, 0.02, 0.08, 0.07
HSL	42°, 37%, 89%
HSV	42°, 8%, 93%
XYZ	76.7586, 80.9523, 77.8895
YIQ	232.1980, 8.0700, -3.0820

# Conversions

## Conversions Part 2

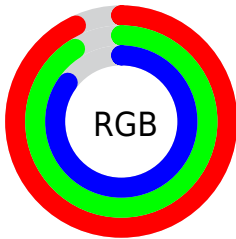
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	227, 238, 218
Decimal	15657178
CIE Lab	92.11, -0.37, 7.53
CIE LCh	92, 7.537, 92.829
Yxy	80.9523, 0.3258, 0.3436
Android (android.graphics.Color)	4293847258 (0xFFEEE8DA)
YUV	232.1980, -6.9996, 5.0884
Hunter-Lab	89.9735, -5.1709, 11.6545

# Details

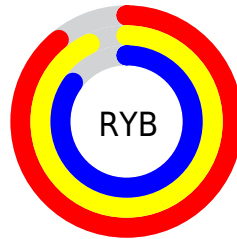
The Yxy color **80.9523, 0.3258, 0.3436** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **74.3373, 0.2997, 0.3140**, and the grayscale version is **80.8982, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.6401, 0.3289, 0.3465** is the 20% darker color. If you saturate the color by 10%, you get **75.8955, 0.3428, 0.3617**, and if you desaturate by 10%, it is **86.3553, 0.3103, 0.3263**.

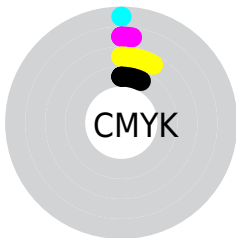
# Distribution



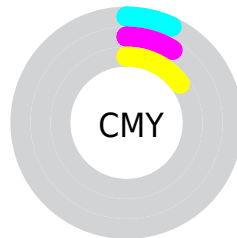
- Red (93%)
- Green (91%)
- Blue (85%)



- Red (89%)
- Yellow (93%)
- Blue (85%)



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



- Cyan (7%)
- Magenta (9%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.9523, 0.3258, 0.3436 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 80.9523, 0.3258, 0.3436 by changing the saturation by 10% instead.



80.9523, 0.3258,  
0.3436

80.9523, 0.3258,  
0.3436

498.1364, 0.3199,  
0.3370

60.5023, 0.3271,  
0.3451

134.7038, 0.3238,  
0.3413

43.8236, 0.3288,  
0.3469

168.7741, 0.3230,  
0.3404

30.5319, 0.3308,  
0.3492

208.1533, 0.3223,  
0.3397

20.2427, 0.3335,  
0.3522

253.2257, 0.3217,  
0.3390

12.5716, 0.3370,  
0.3562

304.3759, 0.3211,  
0.3384

7.1342, 0.3420,  
0.3618

361.9881, 0.3207,

3.5462, 0.3497,

0.3379

0.3704

426.4468, 0.3202,  
0.3374

■ 1.4231, 0.3625,  
0.3850

■ 0.2336, 0.4769,  
0.5231

■ 80.9523, 0.3258,  
0.3436

■ 80.9523, 0.3258,  
0.3436

■ 75.8955, 0.3428,  
0.3617

■ 86.3553, 0.3103,  
0.3263

■ 71.1648, 0.3611,  
0.3803

■ 91.4036, 0.3024,  
0.3203

■ 66.7538, 0.3806,  
0.3987

■ 95.7927, 0.3023,  
0.3272

■ 62.6518, 0.4007,  
0.4161

■ 96.9106, 0.3023,  
0.3290

■ 58.8471, 0.4208,  
0.4315

■ 55.3271, 0.4400,  
0.4438

■ 52.0776, 0.4573,  
0.4520

■ 49.0821, 0.4718,  
0.4552

■ 46.3180, 0.4832,  
0.4536

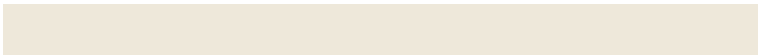
# Harmonies

## Analogous

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



80.9523, 0.3297, 0.3393



80.9523, 0.3258, 0.3436



80.9523, 0.3184, 0.3440

# Triad

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



80.9523, 0.3258, 0.3436



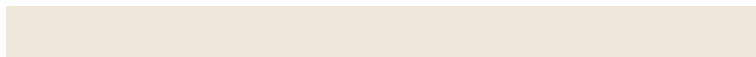
80.9523, 0.2967, 0.3253



80.9523, 0.3157, 0.3182

# Complementary

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



80.9523, 0.3258, 0.3436



74.3373, 0.2997, 0.3140

# 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.



80.9523, 0.3069, 0.3145



80.9523, 0.3258, 0.3436



80.9523, 0.2960, 0.3185

# Square

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



80.9523, 0.3258, 0.3436



80.9523, 0.3017, 0.3333



80.9523, 0.2997, 0.3146

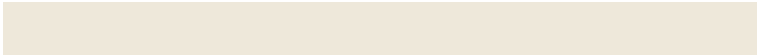


80.9523, 0.3238, 0.3247



# Rectangle

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



80.9523, 0.3258, 0.3436



80.9523, 0.3125, 0.3419



80.9523, 0.2997, 0.3146



80.9523, 0.3127, 0.3166

# Sweetspot

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



80.9558, 0.3258, 0.3436



98.0748, 0.3173, 0.3342



73.6794, 0.3231, 0.3228



20.8832, 0.3185, 0.3356



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

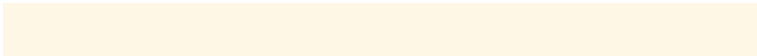


# Same Dimension

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



80.9558, 0.3258, 0.3436



93.7241, 0.3285, 0.3465



83.6739, 0.3225, 0.3498



17.6194, 0.3276, 0.3455



25.8486, 0.4836, 0.4542



2.3227, 0.4731, 0.4625

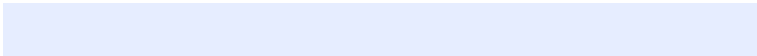


# Inverse Universe

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



74.3373, 0.2997, 0.3140



84.5749, 0.2971, 0.3108



71.8244, 0.3025, 0.3077



15.9945, 0.2980, 0.3119



6.1359, 0.1609, 0.0992

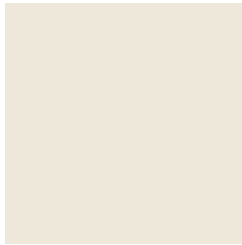


0.6774, 0.1680, 0.1248



# Previews

## White Background



This preview shows how the Yxy color 80.9523, 0.3258, 0.3436 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

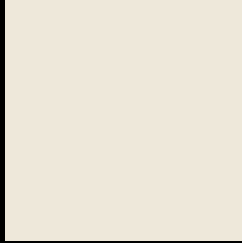
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.9523, 0.3258, 0.3436 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

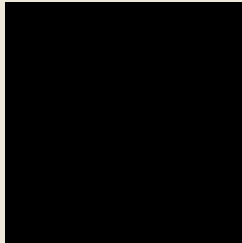
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

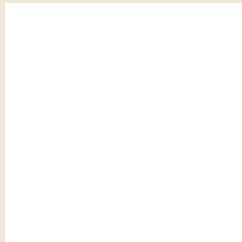
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 80.9523, 0.3258, 0.3436**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.9523, 0.3258, 0.3436.

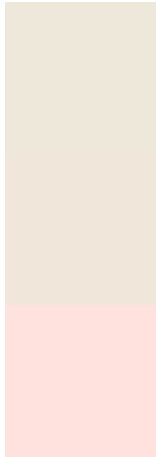


This preview shows how white text looks on a background with the Yxy color 80.9523, 0.3258, 0.3436.

# 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

80.9523, 0.3258, 0.3436

### Protanopia

80.7390, 0.3273, 0.3425

### Deuteranopia

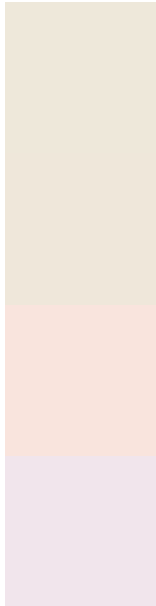
80.9266, 0.3359, 0.3331



## Tritanopia

81.0179, 0.3108, 0.3109

# Trichromacy



## Original Color

80.9523, 0.3258, 0.3436

## Protanomaly

80.5645, 0.3266, 0.3425

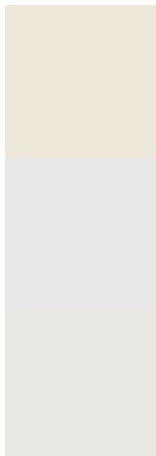
## Deuteranomaly

80.8470, 0.3320, 0.3361

## Tritanomaly

80.7955, 0.3165, 0.3219

# Monochromacy



## Original Color

80.9523, 0.3258, 0.3436

## Achromatopsia

80.6952, 0.3127, 0.3290

## Achromatomaly

80.7517, 0.3172, 0.3342

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.9523, 0.3258, 0.3436 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, 218)` looks like.

```
.text, #text, p{  
    color:rgb(238, 232, 218)  
}
```

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, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 232, 218) }
```

## Border

The CSS property to change the border of an element to Yxy 80.9523, 0.3258, 0.3436 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, 218) }
```

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

```
.border{ border-color:rgb(238, 232, 218) }
```

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, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 232, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 232, 218);  
box-shadow:4px 4px 4px 4px rgb(238, 232,  
218) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.9523, 0.3258, 0.3436 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, 218) }
```

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

```
.background{ background-color: rgb(238,  
232, 218) }
```

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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