

# Converting Colors

$Yxy(78.4833, 0.3275, 0.3436)$

Have a look what the booklet for  
Yxy(78.4833, 0.3275, 0.3436)  
contains.

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# Color

**Yxy(78.3464, 0.3282, 0.3437)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDE4D6
RGB	237, 228, 214
RGB Percent	93%, 89%, 84%
CMY	0.0705, 0.1059, 0.1608
CMYK	0.00, 0.04, 0.10, 0.07
HSL	36°, 39%, 88%
HSV	36°, 10%, 93%
XYZ	74.8132, 78.3464, 74.7904
YIQ	229.0950, 9.8580, -2.4460

# Conversions

## Conversions Part 2

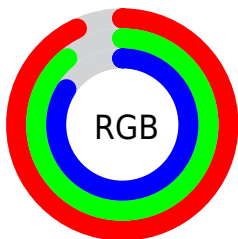
Format	Color
R <sub>Y</sub> B	229, 237, 214
Decimal	15590614
CIE Lab	90.94, 0.72, 7.91
CIE LCh	91, 7.943, 84.832
Yxy	78.3464, 0.3282, 0.3437
Android (android.graphics.Color)	4293780694 (0xFFE4D6)
YUV	229.0950, -7.4418, 6.9327
Hunter-Lab	88.5135, -4.0273, 11.8618

# Details

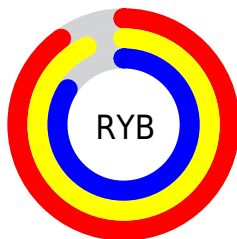
The Yxy color **78.3464, 0.3282, 0.3437** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.2018, 0.2976, 0.3139**, and the grayscale version is **78.4832, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.2141, 0.3319, 0.3480** is the 20% darker color. If you saturate the color by 10%, you get **72.2472, 0.3460, 0.3596**, and if you desaturate by 10%, it is **84.9037, 0.3123, 0.3286**.

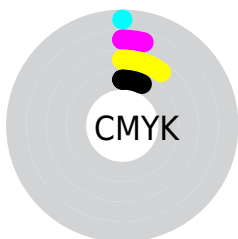
# Distribution



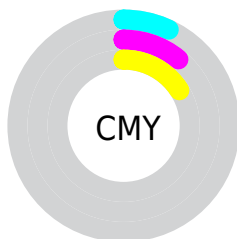
- Red (93%)
- Green (89%)
- Blue (84%)



- Red (90%)
- Yellow (93%)
- Blue (84%)



- Cyan (0%)
- Magenta (4%)
- Yellow (10%)
- Black (7%)



- Cyan (7%)
- Magenta (11%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.3464, 0.3282, 0.3437 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 78.3464, 0.3282, 0.3437 by changing the saturation by 10% instead.



78.3464, 0.3282,  
0.3437

78.3464, 0.3282,  
0.3437

489.3424, 0.3211,  
0.3370

58.3586, 0.3298,  
0.3452

131.0383, 0.3258,  
0.3414

42.0970, 0.3318,  
0.3471

164.5112, 0.3248,  
0.3405

29.1772, 0.3342,  
0.3494

203.2479, 0.3240,  
0.3397

19.2149, 0.3375,  
0.3524

247.6328, 0.3233,  
0.3390

11.8257, 0.3418,  
0.3565

298.0503, 0.3226,  
0.3384

6.6251, 0.3480,  
0.3623

354.8849, 0.3221,

3.2288, 0.3575,

0.3379

0.3711

418.5208, 0.3216,  
0.3374

■ 1.2523, 0.3753,  
0.3877

■ 0.1038, 0.5280,  
0.4720

■ 78.3464, 0.3282,  
0.3437

■ 78.3464, 0.3282,  
0.3437

■ 72.2472, 0.3460,  
0.3596

■ 84.9037, 0.3123,  
0.3286

■ 66.5841, 0.3656,  
0.3759

■ 91.5013, 0.3018,  
0.3207

■ 61.3479, 0.3870,  
0.3920

■ 96.7504, 0.3018,  
0.3290

■ 56.5253, 0.4097,  
0.4072

■ 52.1022, 0.4329,  
0.4204

■ 48.0629, 0.4559,  
0.4305

■ 44.3903, 0.4772,  
0.4362

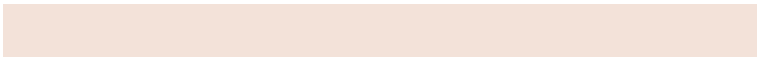
■ 41.0649, 0.4956,  
0.4368

■ 38.0575, 0.5109,  
0.4324

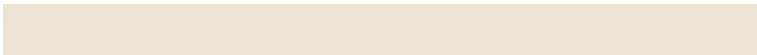
# Harmonies

## Analogous

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



78.3464, 0.3311, 0.3382



78.3464, 0.3282, 0.3437



78.3464, 0.3211, 0.3453

# Triad

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



78.3464, 0.3282, 0.3437



78.3464, 0.2967, 0.3273



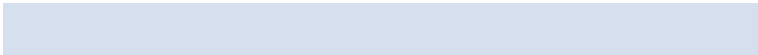
78.3464, 0.3134, 0.3161

# Complementary

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



78.3464, 0.3282, 0.3437



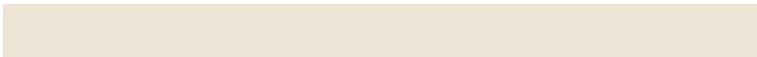
73.2018, 0.2976, 0.3139

# 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.



78.3464, 0.3042, 0.3132



78.3464, 0.3282, 0.3437



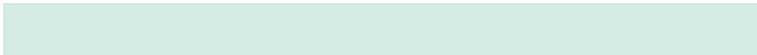
78.3464, 0.2947, 0.3194

# Square

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



78.3464, 0.3282, 0.3437



78.3464, 0.3030, 0.3357



78.3464, 0.2974, 0.3144



78.3464, 0.3225, 0.3224



# Rectangle

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



78.3464, 0.3282, 0.3437



78.3464, 0.3150, 0.3438



78.3464, 0.2974, 0.3144



78.3464, 0.3102, 0.3147

# Sweetspot

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



78.3498, 0.3282, 0.3437



97.6176, 0.3173, 0.3335



71.4379, 0.3233, 0.3193



20.7597, 0.3186, 0.3347



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

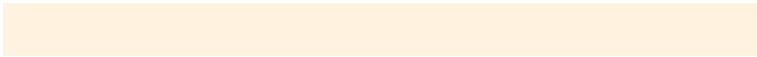


# Same Dimension

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



78.3498, 0.3282, 0.3437



90.7638, 0.3322, 0.3473



83.0590, 0.3256, 0.3530



16.5777, 0.3278, 0.3433



20.9905, 0.5094, 0.4338



1.8346, 0.4935, 0.4463

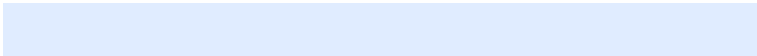


# Inverse Universe

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



73.2018, 0.2976, 0.3139



83.3537, 0.2939, 0.3100



68.8489, 0.2991, 0.3040



15.5180, 0.2980, 0.3143



7.8459, 0.1679, 0.1243

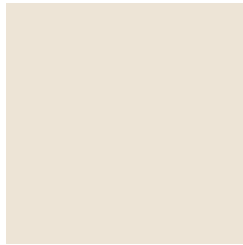


0.7986, 0.1755, 0.1517



# Previews

## White Background



This preview shows how the Yxy color 78.3464, 0.3282, 0.3437 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

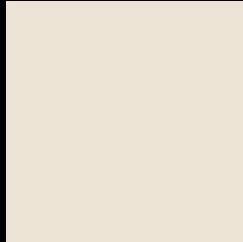
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.3464, 0.3282, 0.3437 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

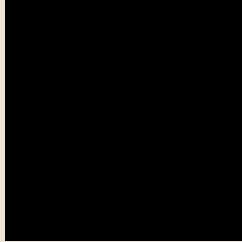
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

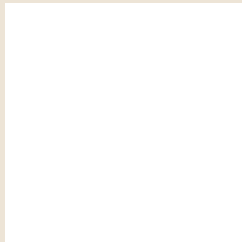
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 78.3464, 0.3282, 0.3437**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.3464, 0.3282, 0.3437.

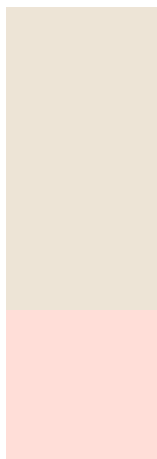


This preview shows how white text looks on a background with the Yxy color 78.3464, 0.3282, 0.3437.

# 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

78.3464, 0.3282, 0.3437

### Protanopia

78.3464, 0.3282, 0.3437

### Deuteranopia

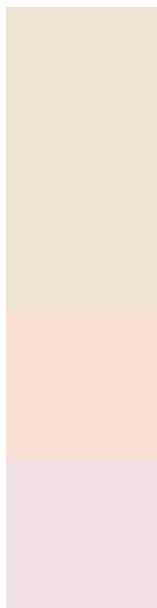
78.4604, 0.3407, 0.3351



## Tritanopia

78.3630, 0.3135, 0.3118

# Trichromacy



## Original Color

78.3464, 0.3282, 0.3437

## Protanomaly

78.3464, 0.3282, 0.3437

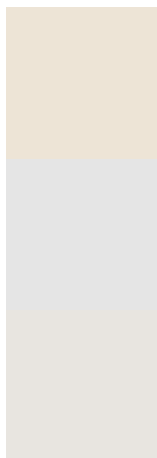
## Deuteranomaly

78.1741, 0.3359, 0.3383

## Tritanomaly

78.1452, 0.3193, 0.3229

# Monochromacy



## Original Color

78.3464, 0.3282, 0.3437

## Achromatopsia

78.3538, 0.3127, 0.3290

## Achromatomaly

78.5762, 0.3180, 0.3343

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.3464, 0.3282, 0.3437 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(237, 228, 214)` looks like.

```
.text, #text, p{  
    color:rgb(237, 228, 214)  
}
```

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(237, 228, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 228, 214) }
```

## Border

The CSS property to change the border of an element to Yxy 78.3464, 0.3282, 0.3437 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(237, 228, 214) }
```

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

```
.border{ border-color:rgb(237, 228, 214) }
```

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

Here you see how a box with a 4 pixel rgb(237, 228, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 228, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 228, 214);  
box-shadow:4px 4px 4px 4px rgb(237, 228,  
214) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.3464, 0.3282, 0.3437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 228, 214) }
```

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

```
.background{ background-color: rgb(237,  
228, 214) }
```

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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