

# Converting Colors

$Yxy(77.8671, 0.3214, 0.3411)$

Have a look what the booklet for  
Yxy(77.8671, 0.3214, 0.3411)  
contains.

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# Color

**Yxy(78.0373, 0.3218, 0.3417)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7E5D9
RGB	231, 229, 217
RGB Percent	91%, 90%, 85%
CMY	0.0943, 0.1019, 0.1489
CMYK	0.00, 0.01, 0.06, 0.09
HSL	52°, 22%, 88%
HSV	52°, 6%, 91%
XYZ	73.4925, 78.0373, 76.8497
YIQ	228.2300, 5.0440, -3.3080

# Conversions

## Conversions Part 2

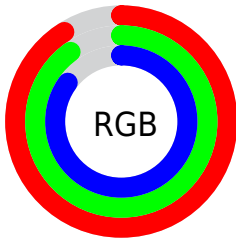
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	219, 231, 217
Decimal	15197657
CIE Lab	90.80, -1.41, 6.06
CIE LCh	91, 6.224, 103.094
Yxy	78.0373, 0.3218, 0.3417
Android (android.graphics.Color)	4293387737 (0xFFE7E5D9)
YUV	228.2300, -5.5364, 2.4293
Hunter-Lab	88.3387, -6.0914, 10.2581

# Details

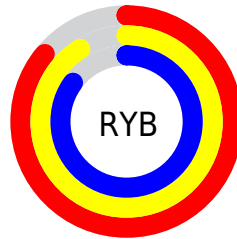
The Yxy color **78.0373, 0.3218, 0.3417** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.1731, 0.3035, 0.3160**, and the grayscale version is **77.7984, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.9947, 0.3236, 0.3455** is the 20% darker color. If you saturate the color by 10%, you get **75.1485, 0.3376, 0.3634**, and if you desaturate by 10%, it is **81.1344, 0.3070, 0.3209**.

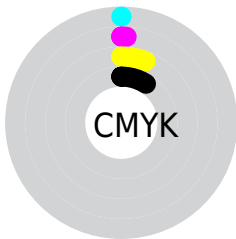
# Distribution



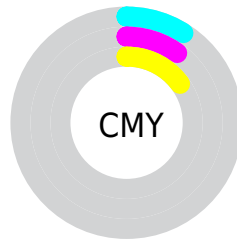
- Red (91%)
- Green (90%)
- Blue (85%)



- Red (86%)
- Yellow (91%)
- Blue (85%)



- Cyan (0%)
- Magenta (1%)
- Yellow (6%)
- Black (9%)



- Cyan (9%)
- Magenta (10%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.0373, 0.3218, 0.3417 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 78.0373, 0.3218, 0.3417 by changing the saturation by 10% instead.



■ 78.0373, 0.3218,  
0.3417

■ 78.0373, 0.3218,  
0.3417

488.2935, 0.3177,  
0.3359

■ 58.1046, 0.3227,  
0.3430

130.6027, 0.3204,  
0.3397

■ 41.8928, 0.3239,  
0.3446

164.0042, 0.3198,  
0.3389

■ 29.0173, 0.3253,  
0.3467

202.6641, 0.3193,  
0.3382

■ 19.0939, 0.3272,  
0.3494

246.9668, 0.3189,  
0.3376

■ 11.7382, 0.3297,  
0.3530

297.2967, 0.3185,  
0.3371

■ 6.5657, 0.3333,  
0.3582

354.0382, 0.3182,

■ 3.1920, 0.3388,

0.3367

0.3662

417.5757, 0.3179,  
0.3363

■ 1.2328, 0.3486,  
0.3805

■ 0.0882, 0.3591,  
0.6409

■ 78.0373, 0.3218,  
0.3417

■ 78.0373, 0.3218,  
0.3417

■ 75.1485, 0.3376,  
0.3634

■ 81.1344, 0.3070,  
0.3209

■ 72.4507, 0.3541,  
0.3855

■ 83.8959, 0.2980,  
0.3093

■ 69.9398, 0.3710,  
0.4074

■ 85.7694, 0.2980,  
0.3126

■ 67.6074, 0.3876,  
0.4281

■ 87.6767, 0.2980,  
0.3159

65.4448, 0.4033,  
0.4468

89.6181, 0.2981,  
0.3191

63.4420, 0.4174,  
0.4623

91.5938, 0.2981,  
0.3224

61.5880, 0.4293,  
0.4738

93.6037, 0.2981,  
0.3256

59.8697, 0.4384,  
0.4808

95.6483, 0.2981,  
0.3288

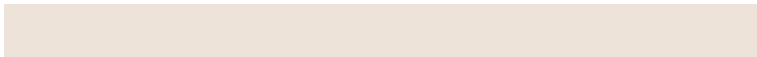
58.2713, 0.4447,  
0.4832

95.7233, 0.2981,  
0.3290

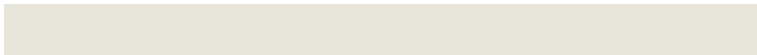
# Harmonies

## Analogous

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



78.0373, 0.3262, 0.3392



78.0373, 0.3218, 0.3417



78.0373, 0.3150, 0.3408

# Triad

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



78.0373, 0.3218, 0.3417



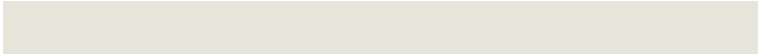
78.0373, 0.2987, 0.3238



78.0373, 0.3177, 0.3216

# Complementary

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



78.0373, 0.3218, 0.3417



71.1731, 0.3035, 0.3160

# 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.



78.0373, 0.3103, 0.3176



78.0373, 0.3218, 0.3417



78.0373, 0.2994, 0.3188

# Square

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



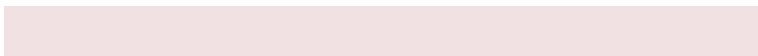
78.0373, 0.3218, 0.3417



78.0373, 0.3017, 0.3303



78.0373, 0.3036, 0.3165



78.0373, 0.3238, 0.3276



# Rectangle

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



78.0373, 0.3218, 0.3417



78.0373, 0.3100, 0.3383



78.0373, 0.3036, 0.3165



78.0373, 0.3153, 0.3200

# Sweetspot

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



78.0407, 0.3218, 0.3417



99.2211, 0.3157, 0.3332



71.7416, 0.3214, 0.3268



21.2456, 0.3156, 0.3330



0.0000, 0.0000, 0.0000

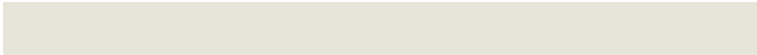


21.4041, 0.3127, 0.3290

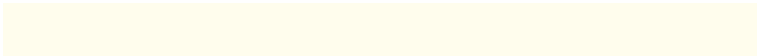


# Same Dimension

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



78.0407, 0.3218, 0.3417



97.3191, 0.3233, 0.3438



78.3265, 0.3182, 0.3439



16.5738, 0.3242, 0.3450



32.4740, 0.4463, 0.4839



2.4948, 0.4417, 0.4875



# Inverse Universe

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



71.1731, 0.3035, 0.3160



87.3641, 0.3019, 0.3137



70.9198, 0.3070, 0.3140



14.7552, 0.3011, 0.3125



3.9293, 0.1532, 0.0714

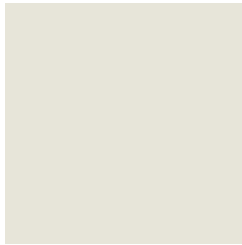


0.3940, 0.1592, 0.0929



# Previews

## White Background



This preview shows how the Yxy color 78.0373, 0.3218, 0.3417 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

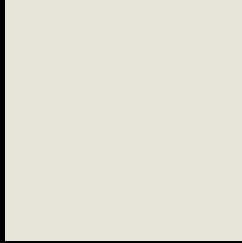
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.0373, 0.3218, 0.3417 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

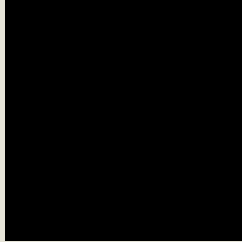
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

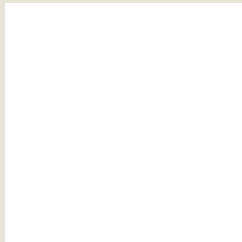
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 78.0373, 0.3218, 0.3417**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.0373, 0.3218, 0.3417.

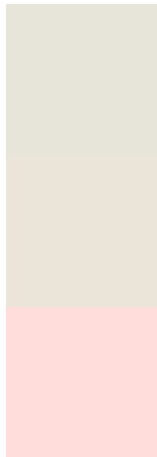


This preview shows how white text looks on a background with the Yxy color 78.0373, 0.3218, 0.3417.

# 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

78.0373, 0.3218, 0.3417

### Protanopia

78.1068, 0.3254, 0.3416

### Deuteranopia

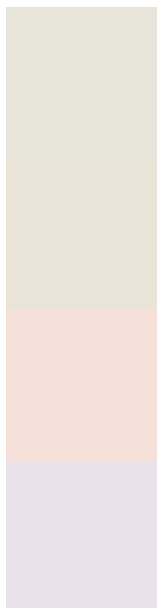
77.8982, 0.3380, 0.3311



## Tritanopia

77.9837, 0.3081, 0.3105

# Trichromacy



## Original Color

78.0373, 0.3218, 0.3417

## Protanomaly

77.9371, 0.3247, 0.3417

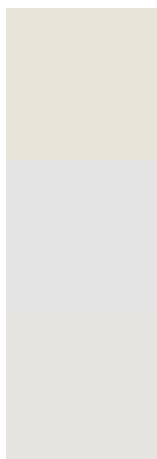
## Deuteranomaly

77.9661, 0.3324, 0.3352

## Tritanomaly

77.8257, 0.3131, 0.3207

# Monochromacy



## Original Color

78.0373, 0.3218, 0.3417

## Achromatopsia

77.5822, 0.3127, 0.3290

## Achromatomaly

77.5266, 0.3160, 0.3332

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.0373, 0.3218, 0.3417 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(231, 229, 217)` looks like.

```
.text, #text, p{  
    color:rgb(231, 229, 217)  
}
```

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(231, 229, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 229, 217) }
```

## Border

The CSS property to change the border of an element to Yxy 78.0373, 0.3218, 0.3417 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(231, 229, 217) }
```

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

```
.border{ border-color:rgb(231, 229, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 229, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 229, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 229, 217);  
box-shadow:4px 4px 4px 4px rgb(231, 229,  
217) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.0373, 0.3218, 0.3417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 229, 217) }
```

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

```
.background{ background-color: rgb(231,  
229, 217) }
```

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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