

# Converting Colors

$Yxy(70.7261, 0.3282, 0.3475)$

Have a look what the booklet for  
Yxy(70.7261, 0.3282, 0.3475)  
contains.

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# Color

**Yxy(70.7746, 0.3279, 0.3477)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E0DBCA
RGB	224, 219, 202
RGB Percent	88%, 86%, 79%
CMY	0.1214, 0.1412, 0.2078
CMYK	0.00, 0.02, 0.10, 0.12
HSL	46°, 26%, 84%
HSV	46°, 10%, 88%
XYZ	66.7443, 70.7746, 66.0319
YIQ	218.5570, 8.4370, -4.2270

# Conversions

## Conversions Part 2

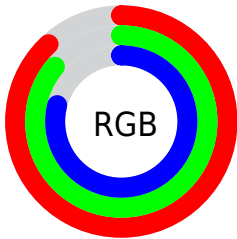
Format	Color
R <sub>Y</sub> B	208, 224, 202
Decimal	14736330
CIE Lab	87.38, -1.16, 8.94
CIE LCh	87, 9.020, 97.401
Yxy	70.7746, 0.3279, 0.3477
Android (android.graphics.Color)	4292926410 (0xFFE0DBCA)
YUV	218.5570, -8.1626, 4.7735
Hunter-Lab	84.1276, -5.6069, 12.3526

# Details

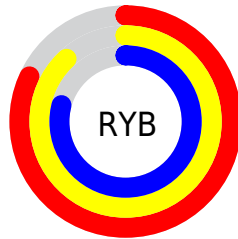
The Yxy color **70.7746, 0.3279, 0.3477** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **62.6049, 0.2975, 0.3096**, and the grayscale version is **70.5751, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.1241, 0.3318, 0.3521** is the 20% darker color. If you saturate the color by 10%, you get **67.1512, 0.3446, 0.3675**, and if you desaturate by 10%, it is **74.6411, 0.3125, 0.3287**.

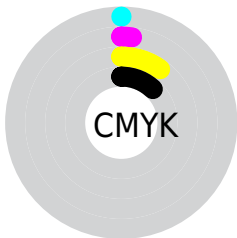
# Distribution



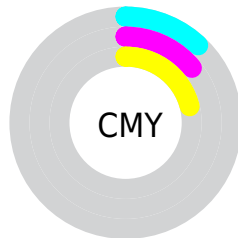
- Red (88%)
- Green (86%)
- Blue (79%)



- Red (82%)
- Yellow (88%)
- Blue (79%)



- Cyan (0%)
- Magenta (2%)
- Yellow (10%)
- Black (12%)



- Cyan (12%)
- Magenta (14%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.7746, 0.3279, 0.3477 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 70.7746, 0.3279, 0.3477 by changing the saturation by 10% instead.



■ 70.7746, 0.3279,  
0.3477

■ 70.7746, 0.3279,  
0.3477

463.2651, 0.3208,  
0.3390

■ 52.1583, 0.3295,  
0.3497

120.3127, 0.3254,  
0.3447

■ 37.1312, 0.3315,  
0.3522

152.0033, 0.3245,  
0.3435

■ 25.3091, 0.3341,  
0.3554

188.8208, 0.3237,  
0.3425

■ 16.3075, 0.3374,  
0.3596

231.1495, 0.3230,  
0.3416

■ 9.7420, 0.3420,  
0.3653

279.3739, 0.3223,  
0.3408

■ 5.2282, 0.3486,  
0.3737

333.8784, 0.3218,

■ 2.3818, 0.3591,

0.3401

395.0473, 0.3213,  
0.3395

0.3871

0.8165, 0.4091,  
0.4467

0.0000, 0.0000,  
0.0000

70.7746, 0.3279,  
0.3477

70.7746, 0.3279,  
0.3477

67.1512, 0.3446,  
0.3675

74.6411, 0.3125,  
0.3287

63.7544, 0.3622,  
0.3876

78.7483, 0.2983,  
0.3107

60.5792, 0.3805,  
0.4073

82.1550, 0.2936,  
0.3079

57.6174, 0.3990,  
0.4257

85.1316, 0.2937,  
0.3132

■ 54.8598, 0.4168,  
0.4420

■ 88.1938, 0.2938,  
0.3185

■ 52.2961, 0.4332,  
0.4549

■ 91.3425, 0.2940,  
0.3237

■ 49.9149, 0.4473,  
0.4636

■ 94.5782, 0.2941,  
0.3289

■ 47.7028, 0.4586,  
0.4675

■ 94.5943, 0.2941,  
0.3289

■ 45.6371, 0.4672,  
0.4671

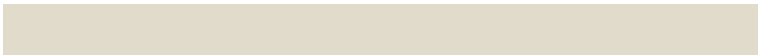
# Harmonies

## Analogous

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



70.7746, 0.3336, 0.3429



70.7746, 0.3279, 0.3477



70.7746, 0.3182, 0.3474

# Triad

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



70.7746, 0.3279, 0.3477



70.7746, 0.2923, 0.3228



70.7746, 0.3181, 0.3166

# Complementary

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



70.7746, 0.3279, 0.3477



62.6049, 0.2975, 0.3096

# 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.



70.7746, 0.3070, 0.3114



70.7746, 0.3279, 0.3477



70.7746, 0.2922, 0.3147

# Square

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



70.7746, 0.3279, 0.3477



70.7746, 0.2977, 0.3328



70.7746, 0.2976, 0.3107

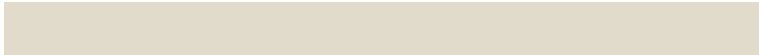


70.7746, 0.3279, 0.3250

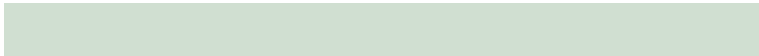


# Rectangle

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



70.7746, 0.3279, 0.3477



70.7746, 0.3107, 0.3443



70.7746, 0.2976, 0.3107



70.7746, 0.3144, 0.3144

# Sweetspot

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



70.7777, 0.3279, 0.3477



98.4022, 0.3172, 0.3347



62.6178, 0.3261, 0.3233



20.9718, 0.3185, 0.3362



0.0000, 0.0000, 0.0000

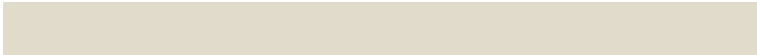


21.4041, 0.3127, 0.3290



# Same Dimension

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



70.7777, 0.3279, 0.3477



93.7854, 0.3316, 0.3521



72.5319, 0.3230, 0.3534



15.4683, 0.3273, 0.3470



26.7143, 0.4665, 0.4678



1.9834, 0.4577, 0.4748



# Inverse Universe

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



62.6049, 0.2975, 0.3096



80.5191, 0.2938, 0.3048



61.0293, 0.3017, 0.3040



13.7510, 0.2981, 0.3104



4.6753, 0.1571, 0.0854

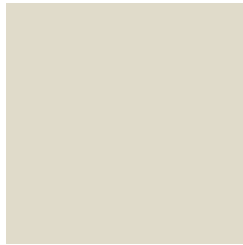


0.4592, 0.1651, 0.1142



# Previews

## White Background



This preview shows how the Yxy color 70.7746, 0.3279, 0.3477 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

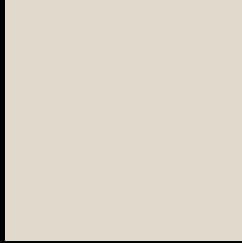
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.7746, 0.3279, 0.3477 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

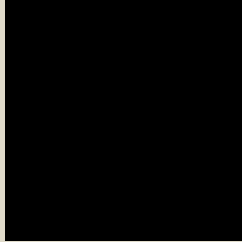
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

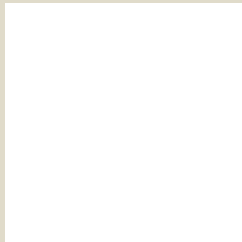
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.7746, 0.3279, 0.3477**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.7746, 0.3279, 0.3477.

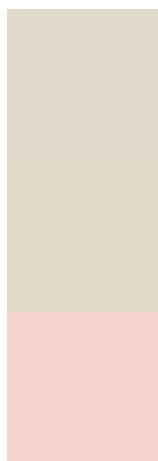


This preview shows how white text looks on a background with the Yxy color 70.7746, 0.3279, 0.3477.

# 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

70.7746, 0.3279, 0.3477

### Protanopia

70.7380, 0.3302, 0.3465

### Deuteranopia

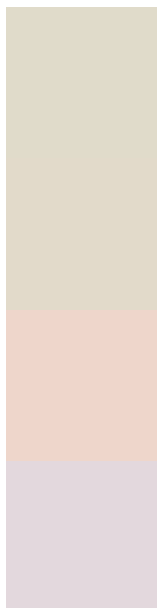
70.5410, 0.3443, 0.3364



## Tritanopia

70.9211, 0.3107, 0.3109

# Trichromacy



## Original Color

70.7746, 0.3279, 0.3477

## Protanomaly

70.5758, 0.3295, 0.3466

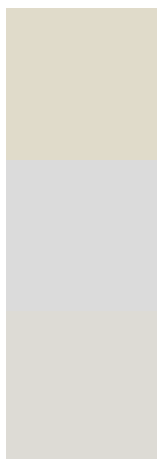
## Deuteranomaly

70.5821, 0.3384, 0.3408

## Tritanomaly

70.6631, 0.3173, 0.3236

# Monochromacy



## Original Color

70.7746, 0.3279, 0.3477

## Achromatopsia

70.8376, 0.3127, 0.3290

## Achromatomaly

70.8393, 0.3182, 0.3356

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.7746, 0.3279, 0.3477 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(224, 219, 202)` looks like.

```
.text, #text, p{  
    color:rgb(224, 219, 202)  
}
```

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(224, 219, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 219, 202) }
```

## Border

The CSS property to change the border of an element to Yxy 70.7746, 0.3279, 0.3477 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(224, 219, 202) }
```

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

```
.border{ border-color:rgb(224, 219, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 219, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 219, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 219, 202);  
box-shadow:4px 4px 4px 4px rgb(224, 219,  
202) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.7746, 0.3279, 0.3477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 219, 202) }
```

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

```
.background{ background-color: rgb(224,  
219, 202) }
```

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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