

# Converting Colors

$Yxy(62.4736, 0.3522, 0.3658)$

Have a look what the booklet for  
Yxy(62.4736, 0.3522, 0.3658)  
contains.

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# Color

**Yxy(62.4885, 0.3521, 0.3666)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0CDAC
RGB	224, 205, 172
RGB Percent	88%, 80%, 67%
CMY	0.1216, 0.1960, 0.3253
CMYK	0.00, 0.08, 0.23, 0.12
HSL	38°, 46%, 78%
HSV	38°, 23%, 88%
XYZ	60.0169, 62.4885, 47.9488
YIQ	206.9190, 21.9170, -6.2350

# Conversions

## Conversions Part 2

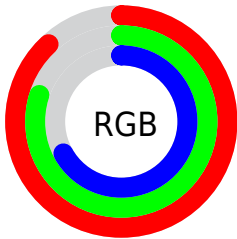
Format	Color
R <sub>Y</sub> B	202, 224, 172
Decimal	14732716
CIE Lab	83.17, 1.49, 18.83
CIE LCh	83, 18.885, 85.473
Yxy	62.4885, 0.3521, 0.3666
Android (android.graphics.Color)	4292922796 (0xFFE0CDAC)
YUV	206.9190, -17.2151, 14.9800
Hunter-Lab	79.0497, -2.8143, 19.3715

# Details

The Yxy color **62.4885, 0.3521, 0.3666** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **51.4246, 0.2753, 0.2883**, and the grayscale version is **62.4463, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3261, 0.3292, 0.3562**, and **31.8141, 0.3613, 0.3755** is the 20% darker color. If you saturate the color by 10%, you get **57.8888, 0.3719, 0.3835**, and if you desaturate by 10%, it is **67.4436, 0.3340, 0.3499**.

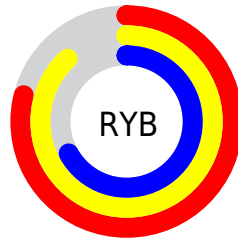
# Distribution



Red (88%)

Green (80%)

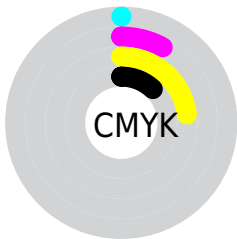
Blue (67%)



Red (79%)

Yellow (88%)

Blue (67%)

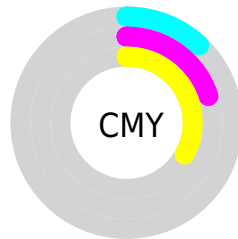


Cyan (0%)

Magenta (8%)

Yellow (23%)

Black (12%)



Cyan (12%)

Magenta (20%)


Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.4885, 0.3521, 0.3666 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 62.4885, 0.3521, 0.3666 by changing the saturation by 10% instead.



 62.4885, 0.3521,  
0.3666

 62.4885, 0.3521,  
0.3666


433.7108, 0.3334,  
0.3488

 45.4275, 0.3565,  
0.3707


 108.4312, 0.3455,  
0.3604

 31.7943, 0.3619,  
0.3759


138.0818, 0.3430,  
0.3580

 21.2044, 0.3689,  
0.3824


172.6977, 0.3408,  
0.3559

 13.2735, 0.3782,  
0.3910

212.6633, 0.3389,  
0.3541

 7.6172, 0.3909,  
0.4027

258.3630, 0.3373,  
0.3526

 3.8510, 0.4093,  
0.4194

310.1812, 0.3358,

 1.5906, 0.4568,

0.3512

0.4639

368.5023, 0.3345,  
0.3499

0.3512, 0.5132,  
0.4868

0.0000, 0.0000,  
0.0000

62.4885, 0.3521,  
0.3666

62.4885, 0.3521,  
0.3666

57.8888, 0.3719,  
0.3835

67.4436, 0.3340,  
0.3499

53.6258, 0.3931,  
0.4000

72.7554, 0.3176,  
0.3339

49.6911, 0.4152,  
0.4152

78.4360, 0.3029,  
0.3188

46.0728, 0.4374,  
0.4280

84.0596, 0.2936,  
0.3113

■ 42.7578, 0.4587,  
0.4373

■ 88.9257, 0.2938,  
0.3198

■ 39.7315, 0.4778,  
0.4420

■ 94.0109, 0.2940,  
0.3280

■ 36.9767, 0.4939,  
0.4414

■ 94.5843, 0.2940,  
0.3289

■ 35.2390, 0.5032,  
0.4386

# Harmonies

## Analogous

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



62.4885, 0.3603, 0.3519



62.4885, 0.3521, 0.3666



62.4885, 0.3333, 0.3715

# Triad

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



62.4885, 0.3521, 0.3666



62.4885, 0.2720, 0.3233



62.4885, 0.3145, 0.2972

# Complementary

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



62.4885, 0.3521, 0.3666



51.4246, 0.2753, 0.2883

# 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.



62.4885, 0.2912, 0.2895



62.4885, 0.3521, 0.3666



62.4885, 0.2673, 0.3035

# Square

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



62.4885, 0.3521, 0.3666



62.4885, 0.2872, 0.3459



62.4885, 0.2742, 0.2915



62.4885, 0.3381, 0.3126



# Rectangle

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



62.4885, 0.3521, 0.3666



62.4885, 0.3176, 0.3679



62.4885, 0.2742, 0.2915



62.4885, 0.3063, 0.2937

# Sweetspot

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



62.4913, 0.3521, 0.3666



94.8133, 0.3237, 0.3400



49.1311, 0.3432, 0.3071



20.2007, 0.3247, 0.3410



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.



62.4913, 0.3521, 0.3666



80.6974, 0.3618, 0.3751



71.0417, 0.3424, 0.3877



15.1436, 0.3276, 0.3438



20.7416, 0.5016, 0.4399



1.6064, 0.4857, 0.4526



# Inverse Universe

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



51.4246, 0.2753, 0.2883



63.2971, 0.2666, 0.2781



44.4821, 0.2787, 0.2649



14.0590, 0.2981, 0.3137



6.8302, 0.1659, 0.1170

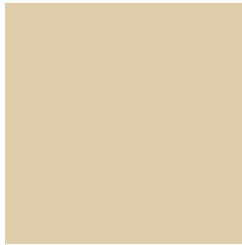


0.6400, 0.1745, 0.1480



# Previews

## White Background



This preview shows how the Yxy color 62.4885, 0.3521, 0.3666 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 62.4885, 0.3521, 0.3666 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

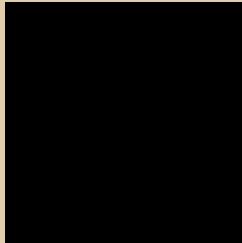
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.4885, 0.3521, 0.3666**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.4885, 0.3521, 0.3666.



This preview shows how white text looks on a background with the Yxy color 62.4885, 0.3521, 0.3666.

# 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

62.4885, 0.3521, 0.3666

### Protanopia

62.7028, 0.3469, 0.3682

### Deuteranopia

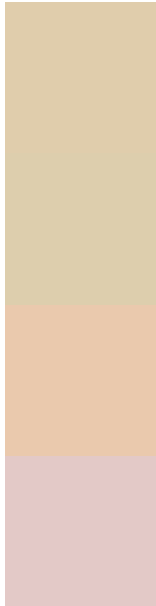
62.2147, 0.3654, 0.3576



## Tritanopia

62.4112, 0.3245, 0.3116

# Trichromacy



## Original Color

62.4885, 0.3521, 0.3666

## Protanomaly

62.5319, 0.3487, 0.3669

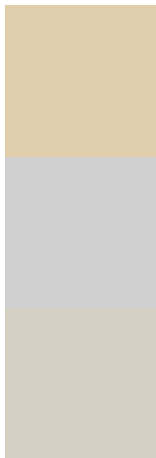
## Deuteranomaly

62.2828, 0.3606, 0.3602

## Tritanomaly

62.2277, 0.3347, 0.3313

# Monochromacy



## Original Color

62.4885, 0.3521, 0.3666

## Achromatopsia

62.3960, 0.3127, 0.3290

## Achromatomaly

62.1838, 0.3267, 0.3429

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.4885, 0.3521, 0.3666 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, 205, 172)` looks like.

```
.text, #text, p{  
    color:rgb(224, 205, 172)  
}
```

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, 205, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 205, 172) }
```

## Border

The CSS property to change the border of an element to Yxy 62.4885, 0.3521, 0.3666 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, 205, 172) }
```

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

```
.border{ border-color:rgb(224, 205, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 205, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 205, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 205, 172);  
box-shadow:4px 4px 4px 4px rgb(224, 205,  
172) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.4885, 0.3521, 0.3666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 205, 172) }
```

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

```
.background{ background-color: rgb(224,  
205, 172) }
```

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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