

# Converting Colors

XYZ(60.0418, 63.6954, 42.8489)

Have a look what the booklet for  
XYZ(60.0418, 63.6954, 42.8489)  
contains.

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# Color

**XYZ(60.0402, 63.6925,  
42.8476)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1D0A1
RGB	225, 208, 161
RGB Percent	88%, 82%, 63%
CMY	0.1176, 0.1843, 0.3686
CMYK	0.00, 0.08, 0.28, 0.12
HSL	44°, 52%, 76%
HSV	44°, 28%, 88%
XYZ	60.0402, 63.6925, 42.8476
YIQ	207.7250, 25.2190, -11.0130

# Conversions

## Conversions Part 2

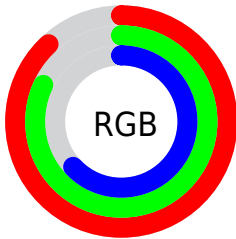
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 225, 161
Decimal	14799009
CIELab	83.81, -1.18, 25.52
CIELCh	84, 25.545, 92.652
Yxy	63.6925, 0.3604, 0.3824
Android (android.graphics.Color)	4292989089 (0xFFE1D0A1)
YUV	207.7250, -23.0354, 15.1502
Hunter-Lab	79.8076, -5.3756, 24.0333

# Details

The XYZ color **60.0402, 63.6925, 42.8476** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **44.2086, 44.8528, 77.5617**, and the grayscale version is **59.9105, 63.0305, 68.6402**.

A 20% lighter version of the original color is **89.3947, 97.7379, 79.1194**, and **30.6781, 32.6503, 19.1532** is the 20% darker color. If you saturate the color by 10%, you get **56.8031, 60.1127, 32.8447**, and if you desaturate by 10%, it is **63.6926, 67.5307, 54.7518**.

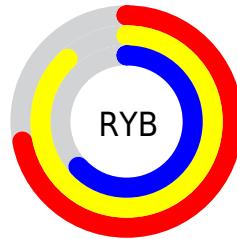
# Distribution



Red (88%)

Green (82%)

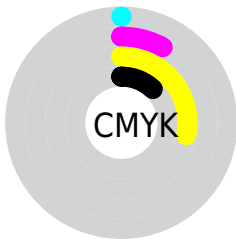
Blue (63%)



Red (72%)

Yellow (88%)

Blue (63%)

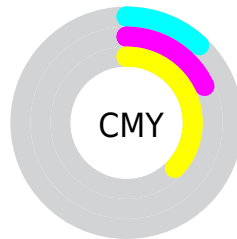


Cyan (0%)

Magenta (8%)

Yellow (28%)

Black (12%)



Cyan (12%)

Magenta (18%)


Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.0402, 63.6925, 42.8476 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 XYZ color 60.0402, 63.6925, 42.8476 by changing the saturation by 10% instead.




 60.0402, 63.6925,  
42.8476


 60.0402, 63.6925,  
42.8476


414.5783,  
438.0784, 373.8874

 43.7006, 46.4017,  
29.4350


 103.9940,  
110.1680, 80.7647

 30.6321, 32.5629,  
19.1618


 132.3389,  
140.1214, 106.1064

 20.4693, 21.7918,  
11.6092


165.4163,  
175.0645, 136.2615

 12.8469, 13.7040,  
6.3589

203.5916,  
215.3816, 171.6485

 7.3995, 7.9151,  
2.9922

247.2301,  
261.4571, 212.6861

 3.7617, 4.0407,  
1.0907

296.6971,

 1.5682, 1.6963,

313.6755, 259.7928

0.0000

352.3581,  
372.4211, 313.3870

■ 0.3716, 0.4213,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 60.0402, 63.6925,  
42.8476

■ 60.0402, 63.6925,  
42.8476

■ 56.8031, 60.1127,  
32.8447

■ 63.6926, 67.5307,  
54.7518

■ 53.9565, 56.7738,  
24.6382

■ 67.7736, 71.6268,  
68.6470

■ 51.4806, 53.6690,  
18.1187

■ 72.3021, 75.9916,  
84.6217

■ 49.3514, 50.7878,  
13.1635

■ 77.2941, 80.6324,  
102.7581

■ 47.5420, 48.1185,  
9.6330

■ 79.6409, 84.3065,  
106.6830

■ 46.0203, 45.6471,  
7.3626

■ 81.4082, 87.8413,  
107.2721

■ 44.7400, 43.3540,  
6.1107

■ 83.2339, 91.4926,  
107.8807

■ 44.5521, 43.0090,  
5.9534

■ 84.8614, 94.7476,  
108.4232

# Harmonies

## Analogous

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



65.6283, 63.6925, 45.3758



60.0402, 63.6925, 42.8476



54.9039, 63.6925, 46.4614

# Triad

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



60.0402, 63.6925, 42.8476



51.9045, 63.6925, 87.3839



70.6306, 63.6925, 84.5280

# Complementary

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



60.0402, 63.6925, 42.8476



44.2086, 44.8528, 77.5617

# 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.



66.5446, 63.6925, 98.7395



60.0402, 63.6925, 42.8476



55.7176, 63.6925, 100.5591

# Square

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



60.0402, 63.6925, 42.8476



50.3917, 63.6925, 70.7892



61.0382, 63.6925, 105.0028



71.9619, 63.6925, 67.9311



# Rectangle

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



60.0402, 63.6925, 42.8476



52.3632, 63.6925, 52.2507



61.0382, 63.6925, 105.0028



69.5218, 63.6925, 89.8245

# Sweetspot

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



60.0418, 63.6954, 42.8489



89.6591, 94.7821, 89.9504



51.8393, 44.7150, 48.0539



19.0141, 20.1127, 18.6433



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



60.0418, 63.6954, 42.8489



77.1861, 81.7988, 48.9131



59.9559, 70.1353, 44.0965



14.5478, 15.3815, 14.5090



25.7734, 24.9848, 3.4641



1.8586, 1.8761, 0.2642



# Inverse Universe

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



44.2086, 44.8528, 77.5617



52.9637, 52.9803, 102.0425



44.2256, 40.1491, 76.6529



13.2466, 13.8323, 17.3594



8.8370, 5.1435, 41.5754

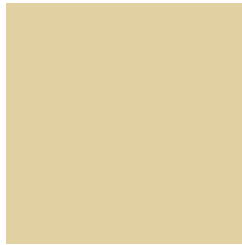


0.6851, 0.5016, 2.9059



# Previews

## White Background



This preview shows how the XYZ color 60.0402, 63.6925, 42.8476 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

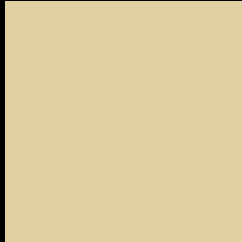
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.0402, 63.6925, 42.8476 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

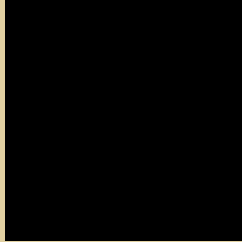
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 60.0402, 63.6925, 42.8476**

## **Background**



This preview shows how black text looks on a background with the XYZ color 60.0402, 63.6925, 42.8476.



This preview shows how white text looks on a background with the XYZ color 60.0402, 63.6925,



# 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

60.0402, 63.6925, 42.8476

### Protanopia

59.6649, 63.8621, 42.9002

### Deuteranopia

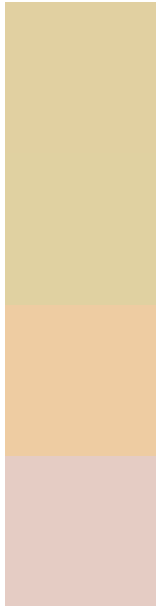
65.1537, 63.8301, 43.5368



## Tritanopia

66.5600, 63.8870, 73.7891

# Trichromacy



## Original Color

60.0402, 63.6925, 42.8476

## Protanomaly

59.9740, 64.0214, 42.9146

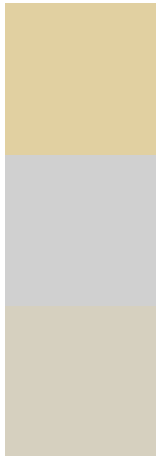
## Deuteranomaly

63.3743, 63.9715, 43.1900

## Tritanomaly

63.8698, 63.8293, 61.1785

# Monochromacy



## Original Color

60.0402, 63.6925, 42.8476

## Achromatopsia

59.9535, 63.0757, 68.6895

## Achromatomaly

59.6914, 63.1695, 58.3371

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.0402, 63.6925, 42.8476 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(225, 208, 161)` looks like.

```
.text, #text, p{  
    color:rgb(225, 208, 161)  
}
```

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(225, 208, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 208, 161) }
```

## Border

The CSS property to change the border of an element to XYZ 60.0402, 63.6925, 42.8476 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(225, 208, 161) }
```



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

```
.border{ border-color:rgb(225, 208, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 208, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 208, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 208, 161);  
box-shadow:4px 4px 4px 4px rgb(225, 208,  
161) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.0402, 63.6925, 42.8476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 208, 161) }
```

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

```
.background{ background-color: rgb(225,  
208, 161) }
```

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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