

# Converting Colors

XYZ(63.1784, 66.2389, 42.7270)

Have a look what the booklet for  
XYZ(63.1784, 66.2389, 42.7270)  
contains.

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# Color

**XYZ(63.2437, 66.4502,  
42.7506)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9D3A0
RGB	233, 211, 160
RGB Percent	91%, 83%, 63%
CMY	0.0863, 0.1725, 0.3725
CMYK	0.00, 0.09, 0.31, 0.09
HSL	42°, 62%, 77%
HSV	42°, 31%, 91%
XYZ	63.2437, 66.4502, 42.7506
YIQ	211.7640, 29.4830, -11.1970

# Conversions

## Conversions Part 2

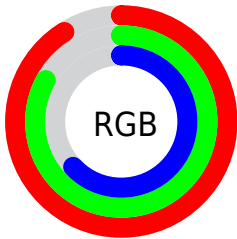
Format	Color
R <sub>Y</sub> B	191, 233, 160
Decimal	15324064
CIE Lab	85.23, 0.20, 28.08
CIE LCh	85, 28.077, 89.602
Yxy	66.4502, 0.3667, 0.3853
Android (android.graphics.Color)	4293514144 (0xFFE9D3A0)
YUV	211.7640, -25.5197, 18.6240
Hunter-Lab	81.5170, -4.1683, 25.9680

# Details

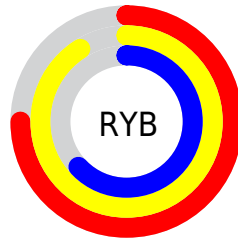
The XYZ color **63.2437, 66.4502, 42.7506** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **45.9328, 46.8114, 83.7055**, and the grayscale version is **62.5744, 65.8331, 71.6922**.

A 20% lighter version of the original color is **89.2657, 97.6863, 78.4405**, and **32.6682, 34.4268, 19.1106** is the 20% darker color. If you saturate the color by 10%, you get **59.6878, 62.3001, 32.4342**, and if you desaturate by 10%, it is **67.2612, 70.9115, 55.1070**.

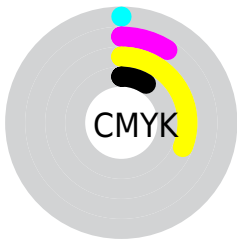
# Distribution



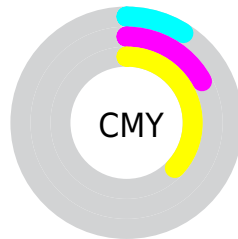
- Red (91%)
- Green (83%)
- Blue (63%)



- Red (75%)
- Yellow (91%)
- Blue (63%)



- Cyan (0%)
- Magenta (9%)
- Yellow (31%)
- Black (9%)




- Cyan (9%)
- Magenta (17%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.2437, 66.4502, 42.7506 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 63.2437, 66.4502, 42.7506 by changing the saturation by 10% instead.




 63.2437, 66.4502,  
42.7506

 63.2437, 66.4502,  
42.7506


426.0990,  
447.9852, 373.4761

 46.2978, 48.6380,  
29.3595


 108.6009,  
114.1322, 80.6167

 32.6865, 34.3324,  
19.1051


 137.7428,  
144.7708, 105.9288

 22.0445, 23.1491,  
11.5686


171.6808,  
180.4537, 136.0516

 14.0064, 14.7036,  
6.3317

210.7802,  
221.5651, 171.4038

 8.2068, 8.6116,  
2.9758

255.4064,  
268.4896, 212.4038

 4.2805, 4.4887,  
1.0823

305.9247,

 1.8620, 1.9505,

321.6116, 259.4701

0.0000

362.7004,  
381.3153, 313.0214

■ 0.5546, 0.5785,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 63.2437, 66.4502,  
42.7506

■ 63.2437, 66.4502,  
42.7506

■ 59.6878, 62.3001,  
32.4342

■ 67.2612, 70.9115,  
55.1070

■ 56.5660, 58.4417,  
24.0407

■ 71.7560, 75.6848,  
69.6034

■ 53.8557, 54.8667,  
17.4474

■ 76.7489, 80.7822,  
86.3382

■ 51.5295, 51.5624,  
12.5157

■ 82.2582, 86.2124,  
105.4026

■ 49.5562, 48.5150,  
9.0865

■ 84.6428, 90.5205,  
107.6188

■ 47.8988, 45.7077,  
6.9692

■ 86.8199, 94.8749,  
108.3445

■ 46.6656, 43.4461,  
5.9264

■ 87.4143, 96.0637,  
108.5427

# Harmonies

## Analogous

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



69.5317, 66.4502, 46.2200



63.2437, 66.4502, 42.7506



57.3255, 66.4502, 46.0402

# Triad

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



63.2437, 66.4502, 42.7506



53.1396, 66.4502, 91.0091



74.2701, 66.4502, 91.4998

# Complementary

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



63.2437, 66.4502, 42.7506



45.9328, 46.8114, 83.7055

# 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.



69.3753, 66.4502, 107.1596



63.2437, 66.4502, 42.7506



57.1880, 66.4502, 106.8446

# Square

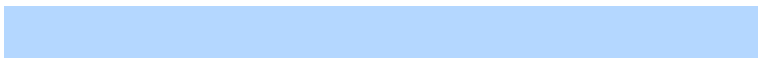
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.2437, 66.4502, 42.7506



51.7341, 66.4502, 72.1106



63.0742, 66.4502, 113.1901



76.1529, 66.4502, 72.5959



# Rectangle

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



63.2437, 66.4502, 42.7506



54.3210, 66.4502, 51.9994



63.0742, 66.4502, 113.1901



72.9070, 66.4502, 97.4257

# Sweetspot

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



63.2454, 66.4532, 42.7520



89.4062, 94.2762, 89.8661



54.7350, 45.8898, 50.8370



18.9515, 19.9876, 18.6225



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.



63.2454, 66.4532, 42.7520



74.5633, 78.0182, 43.5220



64.8838, 75.9721, 44.5029



15.9466, 16.8163, 15.9241



26.5927, 24.8796, 3.4007



2.1718, 2.1210, 0.2949



# Inverse Universe

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



45.9328, 46.8114, 83.7055



50.0034, 50.1656, 101.6552



44.5980, 39.9537, 82.4522



14.6012, 15.2889, 19.1037



9.6906, 6.0281, 44.3958



0.8426, 0.6367, 3.5134



# Previews

## White Background



This preview shows how the XYZ color 63.2437, 66.4502, 42.7506 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

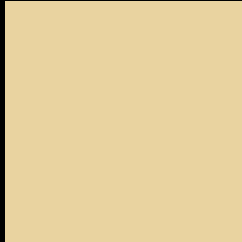
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.2437, 66.4502, 42.7506 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

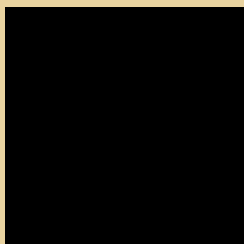
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 63.2437, 66.4502, 42.7506**

## **Background**



This preview shows how black text looks on a background with the XYZ color 63.2437, 66.4502, 42.7506.



This preview shows how white text looks on a background with the XYZ color 63.2437, 66.4502,



# 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

63.2437, 66.4502, 42.7506

### Protanopia

62.2222, 66.6557, 43.3046

### Deuteranopia

67.8095, 66.2682, 42.9353



## Tritanopia

70.0773, 66.3516, 76.1315

# Trichromacy



## Original Color

63.2437, 66.4502, 42.7506

## Protanomaly

62.6096, 66.4832, 43.2509

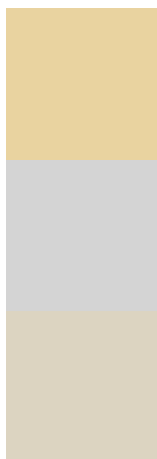
## Deuteranomaly

66.0541, 66.4320, 43.0594

## Tritanomaly

67.1894, 66.2244, 62.6674

# Monochromacy



## Original Color

63.2437, 66.4502, 42.7506

## Achromatopsia

62.5785, 65.8375, 71.6970

## Achromatomaly

62.6843, 66.1529, 59.9170

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.2437, 66.4502, 42.7506 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(233, 211, 160)` looks like.

```
.text, #text, p{  
    color:rgb(233, 211, 160)  
}
```

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(233, 211, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 211, 160) }
```

## Border

The CSS property to change the border of an element to XYZ 63.2437, 66.4502, 42.7506 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(233, 211, 160) }
```



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

```
.border{ border-color:rgb(233, 211, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 211, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 211, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 211, 160);  
box-shadow:4px 4px 4px 4px rgb(233, 211,  
160) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.2437, 66.4502, 42.7506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 211, 160) }
```

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

```
.background{ background-color: rgb(233,  
211, 160) }
```

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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