

Converting Colors

XYZ(63.8557, 67.9871, 44.5944)

Have a look what the booklet for
XYZ(63.8557, 67.9871, 44.5944)
contains.

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Color

**XYZ(63.6124, 67.7264,
44.3701)**

Conversions

Conversions Part 1

Format	Color
Hex	E7D6A3
RGB	231, 214, 163
RGB Percent	91%, 84%, 64%
CMY	0.0941, 0.1608, 0.3608
CMYK	0.00, 0.07, 0.29, 0.09
HSL	45°, 59%, 77%
HSV	45°, 29%, 91%
XYZ	63.6124, 67.7264, 44.3701
YIQ	213.2690, 26.5030, -12.2570

Conversions

Conversions Part 2

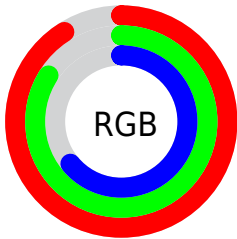
Format	Color
R _Y B	186, 231, 163
Decimal	15193763
CIE Lab	85.87, -1.73, 27.36
CIE LCh	86, 27.415, 93.626
Yxy	67.7264, 0.3620, 0.3854
Android (android.graphics.Color)	4293383843 (0xFFE7D6A3)
YUV	213.2690, -24.7826, 15.5501
Hunter-Lab	82.2961, -6.0429, 25.6409

Details

The XYZ color **63.6124, 67.7264, 44.3701** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **45.8490, 46.1972, 82.1019**, and the grayscale version is **63.5757, 66.8866, 72.8395**.

A 20% lighter version of the original color is **89.6549, 97.8420, 80.4897**, and **32.9466, 35.0579, 20.0693** is the 20% darker color. If you saturate the color by 10%, you get **60.2941, 64.1048, 33.9687**, and if you desaturate by 10%, it is **67.3641, 71.6090, 56.7827**.

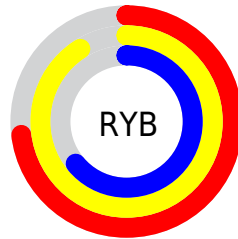
Distribution



Red (91%)

Green (84%)

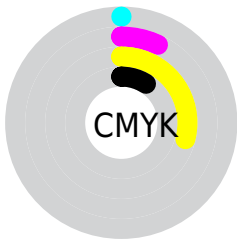
Blue (64%)



Red (73%)

Yellow (91%)

Blue (64%)

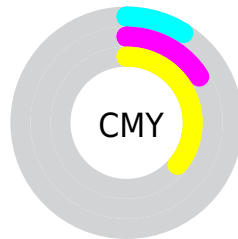


Cyan (0%)

Magenta (7%)

Yellow (29%)

Black (9%)



Cyan (9%)

Magenta (16%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.6124, 67.7264, 44.3701 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 63.6124, 67.7264, 44.3701 by changing the saturation by 10% instead.

■ 63.6124, 67.7264,
44.3701

■ 63.6124, 67.7264,
44.3701

427.4130,
452.5260, 380.3019

■ 46.5973, 49.6752,
30.6222

■ 109.1294,
115.9607, 83.0828

■ 32.9240, 35.1554,
20.0553

■ 138.3620,
146.9125, 108.8847

■ 22.2272, 23.7826,
12.2508

172.3979,
182.9333, 139.5416

■ 14.1415, 15.1724,
6.7901

211.6023,
224.4075, 175.4723

■ 8.3015, 8.9405,
3.2547

256.3407,
271.7195, 217.0951

■ 4.3419, 4.7024,
1.2261

306.9784,

■ 1.8973, 2.0737,

325.2536, 264.8286

0.0001

363.8807,
385.3943, 319.0913

■ 0.5753, 0.6498,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.6124, 67.7264,
44.3701

■ 63.6124, 67.7264,
44.3701

■ 60.2941, 64.1048,
33.9687

■ 67.3641, 71.6090,
56.7827

■ 57.3828, 60.7257,
25.4654

■ 71.5635, 75.7519,
71.3026

■ 54.8572, 57.5819,
18.7428

■ 76.2306, 80.1665,
88.0249

■ 52.6915, 54.6625,
13.6682

■ 81.3178, 84.8345,
106.6965

■ 50.8566, 51.9547,
10.0905

■ 83.0173, 88.2335,
107.2630

■ 49.3178, 49.4440,
7.8305

■ 84.7711, 91.7411,
107.8476

■ 48.0198, 47.1071,
6.5990

■ 86.5798, 95.3584,
108.4505

■ 47.9501, 46.9790,
6.5406

■ 86.7650, 95.7289,
108.5123

Harmonies

Analogous

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



69.8781, 67.7264, 46.9302



63.6124, 67.7264, 44.3701



57.9232, 67.7264, 48.5646

Triad

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



63.6124, 67.7264, 44.3701



54.8451, 67.7264, 94.5653



75.7897, 67.7264, 90.1706

Complementary

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



63.6124, 67.7264, 44.3701



45.8490, 46.1972, 82.1019

Split Complementary

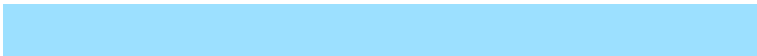
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.2824, 67.7264, 106.3946



63.6124, 67.7264, 44.3701



59.1629, 67.7264, 109.2074

Square

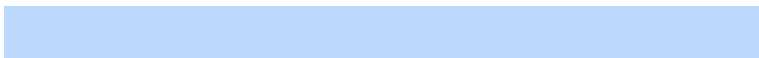
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.6124, 67.7264, 44.3701



53.0730, 67.7264, 75.9480



65.1374, 67.7264, 113.8517



77.1704, 67.7264, 71.5802

Rectangle

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



63.6124, 67.7264, 44.3701



55.1437, 67.7264, 55.1009



65.1374, 67.7264, 113.8517



74.5762, 67.7264, 96.1757

Sweetspot

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



63.6141, 67.7295, 44.3715



89.7700, 95.0039, 89.9874



54.2910, 46.4794, 49.2908



19.0415, 20.1675, 18.6525



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.



63.6141, 67.7295, 44.3715



77.1525, 82.1090, 47.7385



62.9187, 74.0926, 45.6364



15.2806, 16.1751, 15.2212



26.9848, 26.5437, 3.7012



2.0665, 2.1063, 0.2976

Inverse Universe

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



45.8490, 46.1972, 82.1019



51.7186, 51.2902, 101.7819



46.3441, 41.6681, 81.2016



13.8740, 14.4694, 18.2060



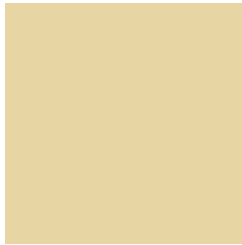
9.0098, 5.0817, 42.8892



0.7382, 0.5204, 3.1935

Previews

White Background



This preview shows how the XYZ color 63.6124, 67.7264, 44.3701 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 63.6124, 67.7264, 44.3701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

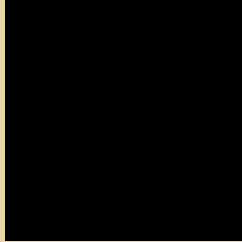
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

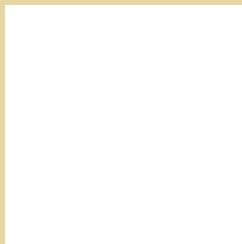
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.6124, 67.7264, 44.3701

Background



This preview shows how black text looks on a background with the XYZ color 63.6124, 67.7264, 44.3701.

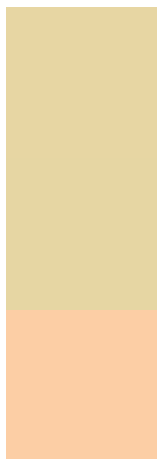


This preview shows how white text looks on a background with the XYZ color 63.6124, 67.7264,

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

63.6124, 67.7264, 44.3701

Protanopia

63.2906, 67.5605, 44.3550

Deuteranopia

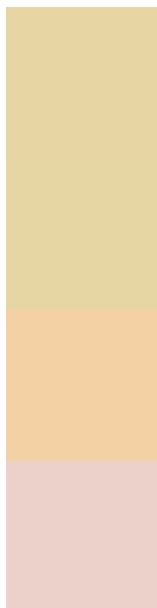
69.0077, 67.5547, 44.9996



Tritanopia

70.5160, 67.5937, 78.4375

Trichromacy



Original Color

63.6124, 67.7264, 44.3701

Protanomaly

63.2906, 67.5605, 44.3550

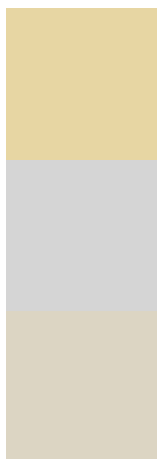
Deuteranomaly

66.8095, 67.5144, 44.6323

Tritanomaly

67.6040, 67.4801, 64.7202

Monochromacy



Original Color

63.6124, 67.7264, 44.3701

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

63.1598, 66.7443, 61.1838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.6124, 67.7264, 44.3701 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, 214, 163)` looks like.

```
.text, #text, p{  
    color:rgb(231, 214, 163)  
}
```

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, 214, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 214, 163) }
```

Border

The CSS property to change the border of an element to XYZ 63.6124, 67.7264, 44.3701 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, 214, 163) }
```


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

```
.border{ border-color:rgb(231, 214, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 214, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 214, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 214, 163);  
box-shadow:4px 4px 4px 4px rgb(231, 214,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 63.6124, 67.7264, 44.3701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 214, 163) }
```

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

```
.background{ background-color: rgb(231,  
214, 163) }
```

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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