

Converting Colors

XYZ(63.6650, 67.4559, 40.7046)

Have a look what the booklet for
XYZ(63.6650, 67.4559, 40.7046)
contains.

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Color

**XYZ(63.6423, 67.4475,
40.6747)**

Conversions

Conversions Part 1

Format	Color
Hex	EAD59B
RGB	234, 213, 155
RGB Percent	92%, 84%, 61%
CMY	0.0824, 0.1647, 0.3921
CMYK	0.00, 0.09, 0.34, 0.08
HSL	44°, 65%, 76%
HSV	44°, 34%, 92%
XYZ	63.6423, 67.4475, 40.6747
YIQ	212.6670, 31.1340, -13.5860

Conversions

Conversions Part 2

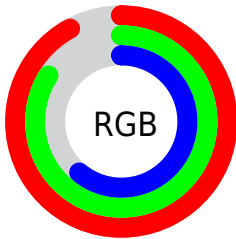
Format	Color
RYB	184, 234, 155
Decimal	15390107
CIELab	85.73, -1.06, 31.36
CIELCh	86, 31.373, 91.939
Yxy	67.4475, 0.3705, 0.3927
Android (android.graphics.Color)	4293580187 (0xFFEAD59B)
YUV	212.6670, -28.4298, 18.7090
Hunter-Lab	82.1264, -5.3961, 28.1240

Details

The XYZ color **63.6423, 67.4475, 40.6747** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **43.8938, 43.9583, 84.0132**, and the grayscale version is **63.1941, 66.4851, 72.4023**.

A 20% lighter version of the original color is **88.6329, 97.4331, 75.1078**, and **32.9778, 35.1227, 17.8732** is the 20% darker color. If you saturate the color by 10%, you get **60.3307, 63.6702, 30.7971**, and if you desaturate by 10%, it is **67.3982, 71.5033, 52.5807**.

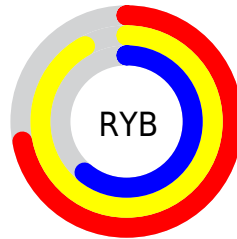
Distribution



Red (92%)

Green (84%)

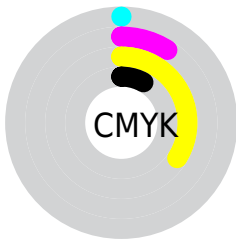
Blue (61%)



Red (72%)

Yellow (92%)

Blue (61%)

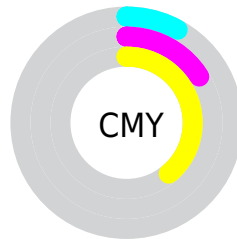


Cyan (0%)

Magenta (9%)

Yellow (34%)

Black (8%)



Cyan (8%)

Magenta (16%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.6423, 67.4475, 40.6747 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 63.6423, 67.4475, 40.6747 by changing the saturation by 10% instead.

63.6423, 67.4475,
40.6747

63.6423, 67.4475,
40.6747

427.5195,
451.5360, 364.5955

46.6216, 49.4484,
27.7472

109.1722,
115.5614, 77.4381

32.9433, 34.9753,
17.8978

138.4122,
146.4450, 102.1111

22.2421, 23.6438,
10.7080

172.4560,
182.3922, 131.5364

14.1525, 15.0696,
5.7591

211.6690,
223.7873, 166.1325

8.3092, 8.8683,
2.6328

256.4164,
271.0149, 206.3179

4.3469, 4.6554,
0.9093

307.0638,

1.9002, 2.0465,

324.4593, 252.5111

0.0000

363.9763,
384.5048, 305.1308

■ 0.5769, 0.6343,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.6423, 67.4475,
40.6747

■ 63.6423, 67.4475,
40.6747

■ 60.3307, 63.6702,
30.7971

■ 67.3982, 71.5033,
52.5807

■ 57.4355, 60.1520,
22.8271

■ 71.6141, 75.8377,
66.6180

■ 54.9333, 56.8848,
16.6377

■ 76.3114, 80.4627,
82.8875

■ 52.7962, 53.8564,
12.0845

■ 81.5083, 85.3866,
101.4827

■ 50.9917, 51.0527,
9.0005

■ 84.3622, 89.4734,
107.4315

■ 49.4806, 48.4568,
7.1824

■ 86.2661, 93.2812,
108.0661

■ 48.6488, 46.9267,
6.4937

■ 87.7417, 96.2324,
108.5580

Harmonies

Analogous

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



70.8000, 67.4475, 43.8636



63.6423, 67.4475, 40.6747



57.0995, 67.4475, 44.8162

Triad

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



63.6423, 67.4475, 40.6747



53.1245, 67.4475, 96.3215



77.0322, 67.4475, 93.5802

Complementary

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



63.6423, 67.4475, 40.6747



43.8938, 43.9583, 84.0132

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.



71.6652, 67.4475, 112.2139



63.6423, 67.4475, 40.6747



57.8494, 67.4475, 113.9924

Square

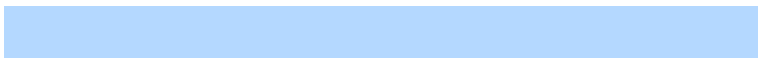
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.6423, 67.4475, 40.6747



51.3145, 67.4475, 74.7805



64.5736, 67.4475, 120.2847



78.8659, 67.4475, 72.1133

Rectangle

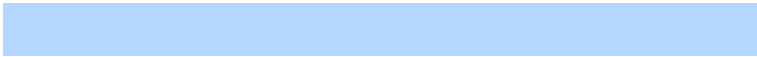
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.6423, 67.4475, 40.6747



53.8715, 67.4475, 51.7246



64.5736, 67.4475, 120.2847



75.5628, 67.4475, 100.5113

Sweetspot

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



63.6440, 67.4506, 40.6761



89.0889, 94.2173, 87.9856



53.4966, 44.0731, 46.7970



18.8998, 19.9987, 18.2517



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.



63.6440, 67.4506, 40.6761



74.3094, 78.5327, 40.2863



63.5305, 75.7453, 42.2831



15.9936, 16.9103, 15.9398



27.4465, 26.5872, 3.6853



2.2333, 2.2440, 0.3154

Inverse Universe

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



43.8938, 43.9583, 84.0132



46.6777, 45.6810, 100.9649



43.9029, 38.3178, 82.9240



14.5568, 15.2000, 19.0889



9.4073, 5.4615, 44.3013



0.8155, 0.5825, 3.5043

Previews

White Background



This preview shows how the XYZ color 63.6423, 67.4475, 40.6747 looks on a white background.

Color Contrast Check

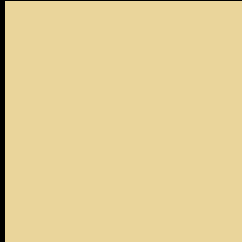
Large Text (above 18pt) WCAG AA × Fail

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 63.6423, 67.4475, 40.6747 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 63.6423, 67.4475, 40.6747

Background



This preview shows how black text looks on a background with the XYZ color 63.6423, 67.4475, 40.6747.



This preview shows how white text looks on a background with the XYZ color 63.6423, 67.4475,

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

63.6423, 67.4475, 40.6747

Protanopia

63.0023, 67.4824, 41.1573

Deuteranopia

68.7902, 67.1678, 41.2373



Tritanopia

70.7868, 67.0538, 76.9220

Trichromacy



Original Color

63.6423, 67.4475, 40.6747

Protanomaly

63.3260, 67.6492, 41.1725

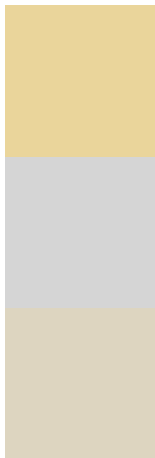
Deuteranomaly

66.9144, 67.2862, 40.9133

Tritanomaly

67.5365, 66.7883, 61.5564

Monochromacy



Original Color

63.6423, 67.4475, 40.6747

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

63.1275, 66.7664, 59.4292

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.6423, 67.4475, 40.6747 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(234, 213, 155)` looks like.

```
.text, #text, p{  
    color:rgb(234, 213, 155)  
}
```

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(234, 213, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 213, 155) }
```

Border

The CSS property to change the border of an element to XYZ 63.6423, 67.4475, 40.6747 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(234, 213, 155) }
```


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

```
.border{ border-color:rgb(234, 213, 155) }
```

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

Here you see how a box with a 4 pixel rgb(234, 213, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 213, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 213, 155);  
box-shadow:4px 4px 4px 4px rgb(234, 213,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 63.6423, 67.4475, 40.6747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 213, 155) }
```

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

```
.background{ background-color: rgb(234,  
213, 155) }
```

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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