

Converting Colors

XYZ(64.0550, 68.1868, 40.5045)

Have a look what the booklet for
XYZ(64.0550, 68.1868, 40.5045)
contains.

XYZ(63.8110, 67.9187, 40.3183)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(63.8110, 67.9187,
40.3183)**

Conversions

Conversions Part 1

Format	Color
Hex	EAD69A
RGB	234, 214, 154
RGB Percent	92%, 84%, 60%
CMY	0.0824, 0.1608, 0.3961
CMYK	0.00, 0.09, 0.34, 0.08
HSL	45°, 66%, 76%
HSV	45°, 34%, 92%
XYZ	63.8110, 67.9187, 40.3183
YIQ	213.1400, 31.1800, -14.4200

Conversions

Conversions Part 2

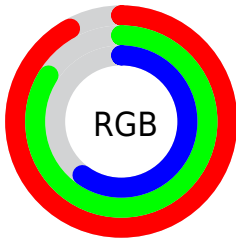
Format	Color
RYB	181, 234, 154
Decimal	15390362
CIELab	85.97, -1.69, 32.18
CIELCh	86, 32.229, 93.013
Yxy	67.9187, 0.3709, 0.3948
Android (android.graphics.Color)	4293580442 (0xFFEAD69A)
YUV	213.1400, -29.1560, 18.2942
Hunter-Lab	82.4128, -6.0125, 28.6829

Details

The XYZ color **63.8110, 67.9187, 40.3183** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **43.3134, 43.0813, 83.8746**, and the grayscale version is **63.5154, 66.8231, 72.7704**.

A 20% lighter version of the original color is **88.5086, 97.3834, 74.4536**, and **32.9279, 35.1027, 17.6104** is the 20% darker color. If you saturate the color by 10%, you get **60.5959, 64.3091, 30.5508**, and if you desaturate by 10%, it is **67.4627, 71.7929, 52.1072**.

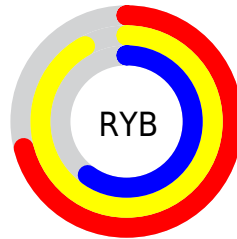
Distribution



Red (92%)

Green (84%)

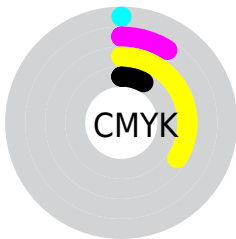
Blue (60%)



Red (71%)

Yellow (92%)

Blue (60%)

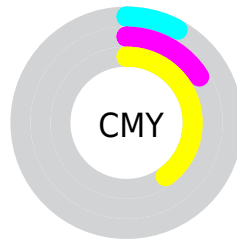


Cyan (0%)

Magenta (9%)

Yellow (34%)

Black (8%)



Cyan (8%)

Magenta (16%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.8110, 67.9187, 40.3183 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 63.8110, 67.9187, 40.3183 by changing the saturation by 10% instead.

63.8110, 67.9187,
40.3183

63.8110, 67.9187,
40.3183

428.1199,
453.2079, 363.0552

46.7587, 49.8316,
27.4711

109.4140,
116.2358, 76.8903

33.0521, 35.2796,
17.6918

138.6953,
147.2346, 101.4523

22.3258, 23.8783,
10.5618

172.7838,
183.3062, 130.7563

14.2144, 15.2434,
5.6626

212.0447,
224.8348, 165.2208

8.3526, 8.9904,
2.5756

256.8434,
272.2048, 205.2644

4.3751, 4.7349,
0.8798

307.5453,

1.9165, 2.0926,

325.8008, 251.3057

0.0000

364.5156,
386.0070, 303.7631

■ 0.5864, 0.6604,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.8110, 67.9187,
40.3183

■ 63.8110, 67.9187,
40.3183

■ 60.5959, 64.3091,
30.5508

■ 67.4627, 71.7929,
52.1072

■ 57.7894, 60.9446,
22.6834

■ 71.5667, 75.9314,
66.0206

■ 55.3683, 57.8176,
16.5886

■ 76.1441, 80.3461,
82.1599

■ 53.3044, 54.9158,
12.1213

■ 81.2133, 85.0451,
100.6186

■ 51.5653, 52.2254,
9.1132

■ 84.1066, 88.9621,
107.3463

■ 50.1115, 49.7295,
7.3590

■ 85.8872, 92.5234,
107.9398

■ 49.3623, 48.3537,
6.7315

■ 87.7241, 96.1972,
108.5521

■ 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.



71.2158, 67.9187, 43.3073



63.8110, 67.9187, 40.3183



57.1223, 67.9187, 44.8212

Triad

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



63.8110, 67.9187, 40.3183



53.3635, 67.9187, 98.3983



78.0547, 67.9187, 93.9859

Complementary

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



63.8110, 67.9187, 40.3183



43.3134, 43.0813, 83.8746

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.



72.6053, 67.9187, 113.5683



63.8110, 67.9187, 40.3183



58.3224, 67.9187, 116.4381

Square

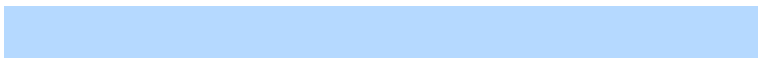
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.8110, 67.9187, 40.3183



51.3861, 67.9187, 76.1107



65.3041, 67.9187, 122.4565



79.8003, 67.9187, 71.8344

Rectangle

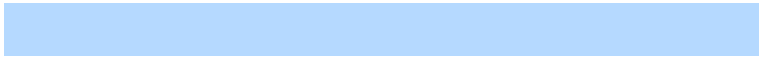
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.8110, 67.9187, 40.3183



53.8625, 67.9187, 52.0823



65.3041, 67.9187, 122.4565



76.5758, 67.9187, 101.2191

Sweetspot

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



63.8127, 67.9218, 40.3197



89.2132, 94.4660, 88.0270



53.1278, 43.6604, 45.6724



18.9300, 20.0591, 18.2618



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.



63.8127, 67.9218, 40.3197



74.7646, 79.4431, 40.4380



62.9875, 75.4750, 41.8211



16.0146, 16.9523, 15.9468



27.8438, 27.3818, 3.8177



2.2617, 2.3007, 0.3249

Inverse Universe

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



43.3134, 43.0813, 83.8746



46.3500, 45.0255, 100.8556



43.8632, 38.0513, 82.8747



14.5371, 15.1606, 19.0823



9.2936, 5.2342, 44.2634



0.8042, 0.5599, 3.5006

Previews

White Background



This preview shows how the XYZ color 63.8110, 67.9187, 40.3183 looks on a white background.

Color Contrast Check

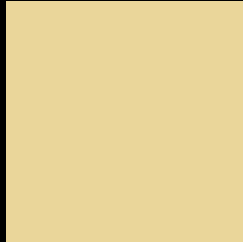
Large Text (above 18pt) WCAG AA × Fail

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 63.8110, 67.9187, 40.3183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

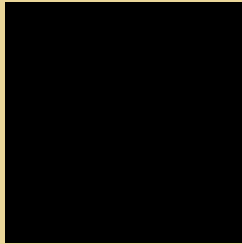
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.8110, 67.9187, 40.3183

Background



This preview shows how black text looks on a background with the XYZ color 63.8110, 67.9187, 40.3183.



This preview shows how white text looks on a background with the XYZ color 63.8110, 67.9187,

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

63.8110, 67.9187, 40.3183

Protanopia

63.0882, 67.9229, 40.3572

Deuteranopia

69.3121, 67.8029, 40.8866



Tritanopia

71.5004, 67.7603, 77.7172

Trichromacy



Original Color

63.8110, 67.9187, 40.3183

Protanomaly

63.4119, 68.0898, 40.3723

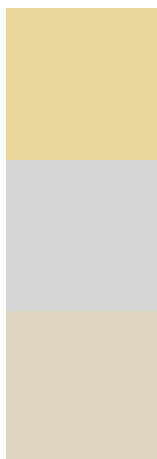
Deuteranomaly

67.0746, 67.7416, 40.5506

Tritanomaly

68.2305, 67.4937, 62.2548

Monochromacy



Original Color

63.8110, 67.9187, 40.3183

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 63.8110, 67.9187, 40.3183 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, 214, 154)` looks like.

```
.text, #text, p{  
    color:rgb(234, 214, 154)  
}
```

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, 214, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 214, 154) }
```

Border

The CSS property to change the border of an element to XYZ 63.8110, 67.9187, 40.3183 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, 214, 154) }
```


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

```
.border{ border-color:rgb(234, 214, 154) }
```

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

Here you see how a box with a 4 pixel rgb(234, 214, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 214, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 214, 154);  
box-shadow:4px 4px 4px 4px rgb(234, 214,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8110, 67.9187, 40.3183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 214, 154) }
```

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

```
.background{ background-color: rgb(234,  
214, 154) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor