

Converting Colors

XYZ(40.2710, 42.7025, 33.6658)

Have a look what the booklet for
XYZ(40.2710, 42.7025, 33.6658)
contains.

XYZ(40.1697, 42.5690, 33.7032)	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(40.1697, 42.5690,
33.7032)**

Conversions

Conversions Part 1

Format	Color
Hex	B8AE93
RGB	184, 174, 147
RGB Percent	72%, 68%, 58%
CMY	0.2784, 0.3176, 0.4235
CMYK	0.00, 0.05, 0.20, 0.28
HSL	44°, 21%, 65%
HSV	44°, 20%, 72%
XYZ	40.1697, 42.5690, 33.7032
YIQ	173.9120, 14.6270, -6.2770

Conversions

Conversions Part 2

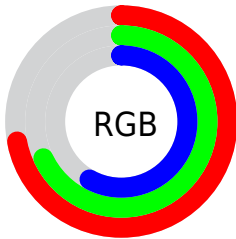
Format	Color
R_{YB}	161, 184, 147
Decimal	12103315
CIE _{Lab}	71.26, -0.90, 15.16
CIE _{LCh}	71, 15.187, 93.410
Yxy	42.5690, 0.3450, 0.3656
Android (android.graphics.Color)	4290293395 (0xFFB8AE93)
YUV	173.9120, -13.2676, 8.8472
Hunter-Lab	65.2449, -4.2805, 15.0443

Details

The XYZ color **40.1697, 42.5690, 33.7032** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **32.7412, 33.7770, 50.1418**, and the grayscale version is **40.2486, 42.3446, 46.1133**.

A 20% lighter version of the original color is **74.4971, 78.7809, 66.5382**, and **18.4309, 19.5889, 13.8760** is the 20% darker color. If you saturate the color by 10%, you get **37.8975, 40.1532, 26.3831**, and if you desaturate by 10%, it is **42.7107, 45.1522, 42.2533**.

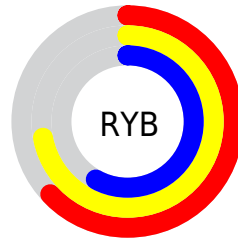
Distribution



Red (72%)

Green (68%)

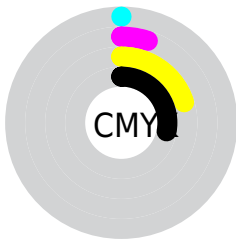
Blue (58%)



Red (63%)

Yellow (72%)

Blue (58%)

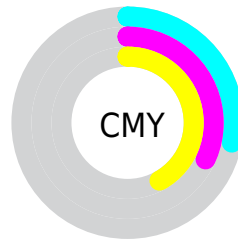


Cyan (0%)

Magenta (5%)

Yellow (20%)

Black (28%)



Cyan (28%)


Magenta (32%)


Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1697, 42.5690, 33.7032 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 40.1697, 42.5690, 33.7032 by changing the saturation by 10% instead.


 40.1697, 42.5690,
33.7032


 40.1697, 42.5690,
33.7032


337.9605,
356.8363, 333.5353

 27.8557, 29.5471,
22.3902


 74.7046, 79.0601,
66.6005

 18.3568, 19.4951,
13.9428


 97.6561, 103.2980,
89.0218

 11.3077, 12.0285,
7.9426


124.8842,
132.0434, 115.9829

 6.3430, 6.7631,
3.9710

156.7542,
165.6807, 147.9025

 3.0974, 3.3144,
1.6094

193.6315,
204.5942, 185.1989

 1.2055, 1.2980,
0.2975

235.8814,

 0.1107, 0.1397,

249.1684, 228.2909

0.0000

283.8693,
299.7876, 277.5968

■ 0.0000, 0.0000,
0.0000

■ 40.1697, 42.5690,
33.7032

■ 40.1697, 42.5690,
33.7032

■ 37.8975, 40.1532,
26.3831

■ 42.7107, 45.1522,
42.2533

■ 35.8794, 37.8938,
20.2325

■ 45.5277, 47.9017,
52.0848

■ 34.1042, 35.7872,
15.1898

■ 48.6319, 50.8242,
63.2492

■ 32.5586, 33.8275,
11.1866

■ 52.0326, 53.9240,
75.7946

■ 31.2279, 32.0082,
8.1469

■ 55.7389, 57.2052,
89.7667

■ 30.0952, 30.3218,
5.9841

■ 59.3702, 60.5162,
103.1594

■ 29.1406, 28.7597,
4.5962

■ 60.5695, 62.9147,
103.5591

■ 28.3324, 27.3205,
3.7801

■ 61.8068, 65.3894,
103.9716

■ 63.0825, 67.9407,
104.3968

Harmonies

Analogous

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



42.6942, 42.5690, 34.8974



40.1697, 42.5690, 33.7032



37.8214, 42.5690, 35.5930

Triad

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



40.1697, 42.5690, 33.7032



36.5057, 42.5690, 54.5169



45.0035, 42.5690, 52.9213

Complementary

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



40.1697, 42.5690, 33.7032



32.7412, 33.7770, 50.1418

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.



43.2197, 42.5690, 59.0824



40.1697, 42.5690, 33.7032



38.3062, 42.5690, 60.0695

Square

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



40.1697, 42.5690, 33.7032



35.7626, 42.5690, 47.1904



40.7528, 42.5690, 61.8214



45.5529, 42.5690, 45.5204

Rectangle

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



40.1697, 42.5690, 33.7032



36.6515, 42.5690, 38.4769



40.7528, 42.5690, 61.8214



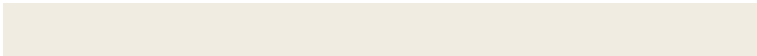
44.5248, 42.5690, 55.2308

Sweetspot

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



40.1708, 42.5709, 33.7041



79.4095, 83.8105, 83.4535



36.3285, 33.5092, 36.6688



17.0491, 17.9992, 17.7478



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



40.1708, 42.5709, 33.7041



70.9927, 75.2533, 55.1328



40.3081, 45.6162, 34.2847



9.5394, 10.0818, 9.5501



19.5872, 18.9507, 2.6255



0.7388, 0.7647, 0.1087

Inverse Universe

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



32.7412, 33.7770, 50.1418



55.1446, 56.4973, 90.2032



32.6067, 31.2989, 49.6705



8.7133, 9.1038, 11.3774



6.7916, 4.0428, 31.6755



0.2925, 0.2486, 1.1343

Previews

White Background



This preview shows how the XYZ color 40.1697, 42.5690, 33.7032 looks on a white background.

Color Contrast Check

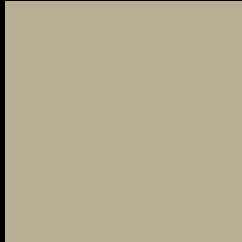
Large Text (above 18pt) WCAG AA × Fail

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 40.1697, 42.5690, 33.7032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

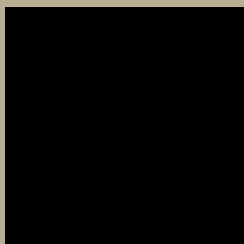
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

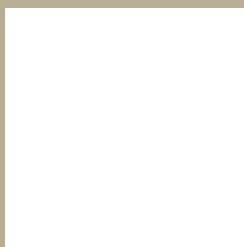
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.1697, 42.5690, 33.7032

Background



This preview shows how black text looks on a background with the XYZ color 40.1697, 42.5690, 33.7032.



This preview shows how white text looks on a background with the XYZ color 40.1697, 42.5690,

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

40.1697, 42.5690, 33.7032

Protanopia

40.1697, 42.5690, 33.7032

Deuteranopia

43.4353, 42.5609, 33.9428



Tritanopia

43.6177, 42.5721, 50.1743

Trichromacy



Original Color

40.1697, 42.5690, 33.7032

Protanomaly

40.1697, 42.5690, 33.7032

Deuteranomaly

42.2257, 42.4897, 33.9928

Tritanomaly

42.2179, 42.5552, 43.5250

Monochromacy



Original Color

40.1697, 42.5690, 33.7032

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

40.1970, 42.4174, 41.1907

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1697, 42.5690, 33.7032 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(184, 174, 147)` looks like.

```
.text, #text, p{  
    color:rgb(184, 174, 147)  
}
```

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(184, 174, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 174, 147) }
```

Border

The CSS property to change the border of an element to XYZ 40.1697, 42.5690, 33.7032 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(184, 174, 147) }
```


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

```
.border{ border-color:rgb(184, 174, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 174, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 174, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 174, 147);  
box-shadow:4px 4px 4px 4px rgb(184, 174,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1697, 42.5690, 33.7032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 174, 147) }
```

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

```
.background{ background-color: rgb(184,  
174, 147) }
```

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