

Converting Colors

XYZ(40.1777, 40.8997, 32.9720)

Have a look what the booklet for
XYZ(40.1777, 40.8997, 32.9720)
contains.

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Color

**XYZ(40.1772, 40.8994,
32.9709)**

Conversions

Conversions Part 1

Format	Color
Hex	BDA892
RGB	189, 168, 146
RGB Percent	74%, 66%, 57%
CMY	0.2588, 0.3412, 0.4274
CMYK	0.00, 0.11, 0.23, 0.26
HSL	31°, 25%, 66%
HSV	31°, 23%, 74%
XYZ	40.1772, 40.8994, 32.9709
YIQ	171.7710, 19.5780, -2.3900

Conversions

Conversions Part 2

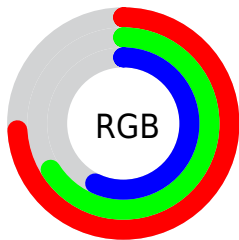
Format	Color
RYB	187, 189, 146
Decimal	12429458
CIELab	70.11, 4.10, 14.15
CIELCh	70, 14.737, 73.834
Yxy	40.8994, 0.3523, 0.3586
Android (android.graphics.Color)	4290619538 (0xFFBDA892)
YUV	171.7710, -12.7051, 15.1098
Hunter-Lab	63.9526, 0.2226, 14.1998

Details

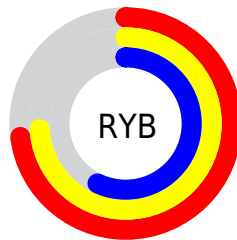
The XYZ color **40.1772, 40.8994, 32.9709** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.8578, 37.4216, 53.5302**, and the grayscale version is **39.1530, 41.1921, 44.8581**.

A 20% lighter version of the original color is **74.8190, 76.5383, 65.4736**, and **18.3026, 18.4679, 13.4265** is the 20% darker color. If you saturate the color by 10%, you get **37.1834, 37.0732, 25.3093**, and if you desaturate by 10%, it is **43.5372, 45.0684, 41.9547**.

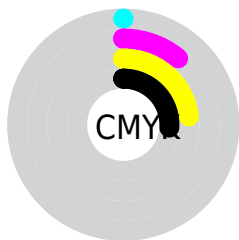
Distribution



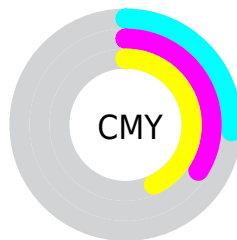
- Red (74%)
- Green (66%)
- Blue (57%)



- Red (73%)
- Yellow (74%)
- Blue (57%)



- Cyan (0%)
- Magenta (11%)
- Yellow (23%)
- Black (26%)





- Cyan (26%)
- Magenta (34%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.1772, 40.8994, 32.9709 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 40.1772, 40.8994, 32.9709 by changing the saturation by 10% instead.

 40.1772, 40.8994,
32.9709


 40.1772, 40.8994,
32.9709


337.9915,
349.9000, 330.1466

 27.8616, 28.2405,
21.8332


 74.7159, 76.5312,
65.4456

 18.3612, 18.5070,
13.5373


 97.6697, 100.2728,
87.6197

 11.3109, 11.3146,
7.6645

124.9002,
128.4774, 114.3096

 6.3452, 6.2789,
3.7963

156.7728,
161.5295, 145.9340

 3.0987, 3.0154,
1.5143

193.6529,
199.8134, 182.9114

 1.2062, 1.1398,
0.2285

235.9058,

 0.1112, 0.0117,

243.7135, 225.6602

0.0000

283.8969,
293.6143, 274.5991

■ 0.0000, 0.0000,
0.0000

■ 40.1772, 40.8994,
32.9709

■ 40.1772, 40.8994,
32.9709

■ 37.1834, 37.0732,
25.3093

■ 43.5372, 45.0684,
41.9547

■ 34.5382, 33.5745,
18.9037

■ 47.2736, 49.5840,
52.3174

■ 32.2270, 30.3948,
13.6859

■ 51.4005, 54.4567,
64.1156

■ 30.2330, 27.5231,
9.5800

■ 55.9297, 59.6953,
77.4020

■ 28.5376, 24.9475,
6.5015

■ 60.8731, 65.3078,
92.2265

■ 27.1196, 22.6551,
4.3532

■ 65.5246, 71.0154,
104.8616

■ 25.9543, 20.6310,
3.0192

■ 68.0634, 76.0930,
105.7078

■ 25.2348, 19.3157,
2.3983

■ 70.7388, 81.4438,
106.5996

■ 73.5528, 87.0717,
107.5376

Harmonies

Analogous

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



42.3105, 40.8994, 35.9647



40.1772, 40.8994, 32.9709



37.7769, 40.8994, 32.8567

Triad

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



40.1772, 40.8994, 32.9709



34.5485, 40.8994, 47.7794



42.1697, 40.8994, 54.8002

Complementary

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



40.1772, 40.8994, 32.9709



34.8578, 37.4216, 53.5302

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.



39.9914, 40.8994, 58.6906



40.1772, 40.8994, 32.9709



35.6281, 40.8994, 54.3632

Square

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



40.1772, 40.8994, 32.9709



34.5936, 40.8994, 40.9413



37.5986, 40.8994, 58.5229



43.4930, 40.8994, 48.3278

Rectangle

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



40.1772, 40.8994, 32.9709



36.3519, 40.8994, 34.3999



37.5986, 40.8994, 58.5229



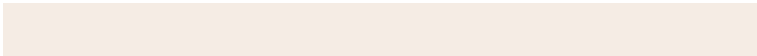
41.5094, 40.8994, 56.4817

Sweetspot

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



40.1783, 40.9012, 32.9718



81.6636, 85.1998, 85.2955



38.2869, 34.1856, 41.3830



17.4750, 18.2175, 18.1026



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



40.1783, 40.9012, 32.9718



69.3685, 69.9699, 52.3405



44.3725, 49.2896, 34.3698



9.9229, 10.3218, 10.0460



17.0554, 13.1497, 1.6392



0.7334, 0.6457, 0.0860

Inverse Universe

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



34.8578, 37.4216, 53.5302



58.2616, 62.7062, 95.2590



31.3187, 30.3434, 52.3505



9.3907, 9.9737, 12.1024



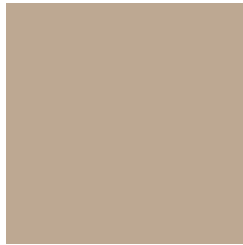
8.8479, 7.8075, 33.4336



0.4121, 0.4368, 1.3315

Previews

White Background



This preview shows how the XYZ color 40.1772, 40.8994, 32.9709 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 40.1772, 40.8994, 32.9709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

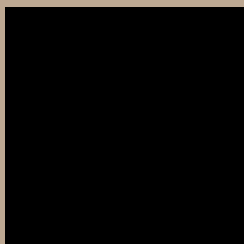
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

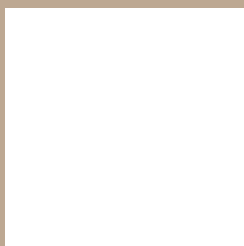
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.1772, 40.8994, 32.9709

Background



This preview shows how black text looks on a background with the XYZ color 40.1772, 40.8994, 32.9709.



This preview shows how white text looks on a background with the XYZ color 40.1772, 40.8994,

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

40.1772, 40.8994, 32.9709

Protanopia

38.6518, 40.9357, 33.4680

Deuteranopia

41.7476, 40.8872, 33.2954



Tritanopia

43.1043, 41.0230, 46.7207

Trichromacy



Original Color

40.1772, 40.8994, 32.9709

Protanomaly

39.1696, 40.9233, 33.4383

Deuteranomaly

41.1508, 40.8484, 33.3194

Tritanomaly

41.9849, 40.8333, 41.2661

Monochromacy



Original Color

40.1772, 40.8994, 32.9709

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

39.5339, 41.2351, 40.5259

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1772, 40.8994, 32.9709 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(189, 168, 146)` looks like.

```
.text, #text, p{  
    color:rgb(189, 168, 146)  
}
```

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(189, 168, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 168, 146) }
```

Border

The CSS property to change the border of an element to XYZ 40.1772, 40.8994, 32.9709 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(189, 168, 146) }
```


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

```
.border{ border-color:rgb(189, 168, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 168, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 168, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 168, 146);  
box-shadow:4px 4px 4px 4px rgb(189, 168,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1772, 40.8994, 32.9709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 168, 146) }
```

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

```
.background{ background-color: rgb(189,  
168, 146) }
```

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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