

Converting Colors

XYZ(40.3024, 42.4464, 30.0745)

Have a look what the booklet for
XYZ(40.3024, 42.4464, 30.0745)
contains.

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Color

**XYZ(40.2701, 42.4135,
30.1089)**

Conversions

Conversions Part 1

Format	Color
Hex	BCAD8A
RGB	188, 173, 138
RGB Percent	74%, 68%, 54%
CMY	0.2627, 0.3215, 0.4588
CMYK	0.00, 0.08, 0.27, 0.26
HSL	42°, 27%, 64%
HSV	42°, 27%, 74%
XYZ	40.2701, 42.4135, 30.1089
YIQ	173.4950, 20.1750, -7.7050

Conversions

Conversions Part 2

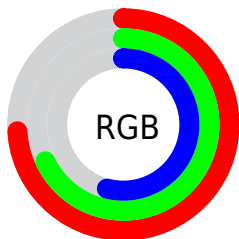
Format	Color
R _{YB}	159, 188, 138
Decimal	12365194
CIE Lab	71.16, -0.13, 19.97
CIE LCh	71, 19.969, 90.380
Yxy	42.4135, 0.3570, 0.3760
Android (android.graphics.Color)	4290555274 (0xFFBCAD8A)
YUV	173.4950, -17.4990, 12.7209
Hunter-Lab	65.1256, -3.5954, 18.1770

Details

The XYZ color **40.2701, 42.4135, 30.1089** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **30.9494, 31.8158, 52.0871**, and the grayscale version is **40.0537, 42.1396, 45.8900**.

A 20% lighter version of the original color is **74.9140, 78.7051, 61.1124**, and **18.4303, 19.4477, 12.0149** is the 20% darker color. If you saturate the color by 10%, you get **37.9670, 39.8000, 23.1973**, and if you desaturate by 10%, it is **42.8567, 45.2164, 38.2784**.

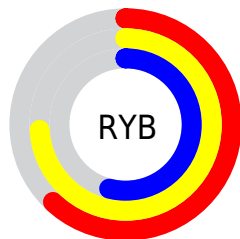
Distribution



Red (74%)

Green (68%)

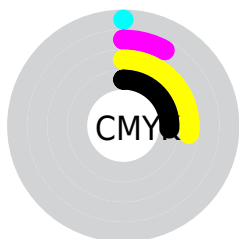
Blue (54%)



Red (62%)

Yellow (74%)

Blue (54%)

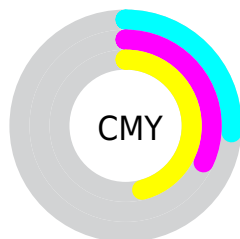


Cyan (0%)

Magenta (8%)

Yellow (27%)

Black (26%)



Cyan (26%)


Magenta (32%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.2701, 42.4135, 30.1089 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 40.2701, 42.4135, 30.1089 by changing the saturation by 10% instead.


 40.2701, 42.4135,
30.1089


 40.2701, 42.4135,
30.1089


338.3756,
356.1942, 316.6348

 27.9343, 29.4252,
19.6685


 74.8564, 78.8251,
60.8974

 18.4164, 19.4027,
11.9726


 97.8376, 103.0171,
82.0826

 11.3508, 11.9616,
6.6027


 125.0980,
131.7125, 107.6864

 6.3724, 6.7176,
3.1403

157.0030,
165.2958, 138.1275

 3.1156, 3.2861,
1.1667

193.9179,
204.1511, 173.8244

 1.2152, 1.2829,
0.0000

236.2081,

 0.1183, 0.1279,

248.6631, 215.1955

0.0000

284.2388,
299.2160, 262.6595

■ 0.0000, 0.0000,
0.0000

■ 40.2701, 42.4135,
30.1089

■ 40.2701, 42.4135,
30.1089

■ 37.9670, 39.8000,
23.1973

■ 42.8567, 45.2164,
38.2784

■ 35.9313, 37.3642,
17.4769

■ 45.7354, 48.2085,
47.7626

■ 34.1505, 35.1015,
12.8787

■ 48.9182, 51.3970,
58.6181

■ 32.6092, 33.0049,
9.3254

■ 52.4156, 54.7869,
70.8974

■ 31.2905, 31.0667,
6.7303

■ 56.2376, 58.3831,
84.6502

■ 30.1746, 29.2780,
4.9920

■ 60.3936, 62.1902,
99.9239

■ 29.2352, 27.6274,
3.9756

■ 62.4514, 65.2360,
103.9080

■ 28.9383, 27.0898,
3.7036

■ 63.8899, 68.1129,
104.3875

■ 65.3781, 71.0893,
104.8835

Harmonies

Analogous

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



43.5742, 42.4135, 31.9539



40.2701, 42.4135, 30.1089



37.1483, 42.4135, 32.0497

Triad

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



40.2701, 42.4135, 30.1089



35.0174, 42.4135, 56.1318



46.1634, 42.4135, 55.8911

Complementary

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



40.2701, 42.4135, 30.1089



30.9494, 31.8158, 52.0871

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.



43.6521, 42.4135, 63.9541



40.2701, 42.4135, 30.1089



37.2183, 42.4135, 64.1061

Square

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



40.2701, 42.4135, 30.1089



34.2201, 42.4135, 46.3034



40.3554, 42.4135, 67.1462



47.0888, 42.4135, 46.0590

Rectangle

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



40.2701, 42.4135, 30.1089



35.5609, 42.4135, 35.4076



40.3554, 42.4135, 67.1462



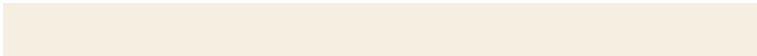
45.4701, 42.4135, 58.9443

Sweetspot

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



40.2712, 42.4154, 30.1098



82.0515, 86.5145, 83.7631



35.5777, 31.1688, 34.2785



17.4706, 18.4253, 17.4332



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.



40.2712, 42.4154, 30.1098



70.4492, 74.0211, 46.8744



40.9311, 47.2667, 31.0114



10.0741, 10.6242, 10.0963



19.7701, 18.5790, 2.5441



0.8291, 0.8371, 0.1179

Inverse Universe

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



30.9494, 31.8158, 52.0871



50.6787, 51.5466, 93.5046



30.3788, 28.1043, 51.4008



9.2435, 9.6794, 12.0533



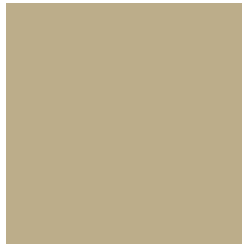
7.2135, 4.5386, 32.8888



0.3417, 0.2961, 1.3080

Previews

White Background



This preview shows how the XYZ color 40.2701, 42.4135, 30.1089 looks on a white background.

Color Contrast Check

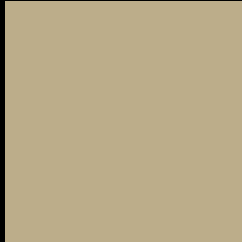
Large Text (above 18pt) WCAG AA × Fail

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 40.2701, 42.4135, 30.1089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

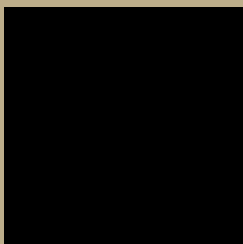
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

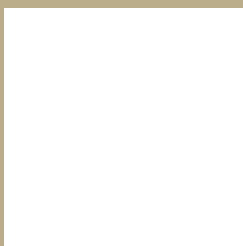
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.2701, 42.4135, 30.1089

Background



This preview shows how black text looks on a background with the XYZ color 40.2701, 42.4135, 30.1089.



This preview shows how white text looks on a background with the XYZ color 40.2701, 42.4135,

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

40.2701, 42.4135, 30.1089

Protanopia

39.7311, 42.4214, 30.1388

Deuteranopia

43.1075, 42.1980, 30.2991



Tritanopia

44.0493, 42.2702, 49.0173

Trichromacy



Original Color

40.2701, 42.4135, 30.1089

Protanomaly

39.9732, 42.5462, 30.1502

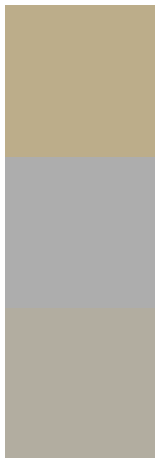
Deuteranomaly

42.1369, 42.2458, 30.3595

Tritanomaly

42.4654, 42.1689, 41.4986

Monochromacy



Original Color

40.2701, 42.4135, 30.1089

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.6488, 41.8902, 39.2536

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2701, 42.4135, 30.1089 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(188, 173, 138)` looks like.

```
.text, #text, p{  
    color:rgb(188, 173, 138)  
}
```

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(188, 173, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 173, 138) }
```

Border

The CSS property to change the border of an element to XYZ 40.2701, 42.4135, 30.1089 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(188, 173, 138) }
```


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

```
.border{ border-color:rgb(188, 173, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 173, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 173, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 173, 138);  
box-shadow:4px 4px 4px 4px rgb(188, 173,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2701, 42.4135, 30.1089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 173, 138) }
```

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

```
.background{ background-color: rgb(188,  
173, 138) }
```

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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