

Converting Colors

XYZ(42.4231, 44.0970, 30.3204)

Have a look what the booklet for
XYZ(42.4231, 44.0970, 30.3204)
contains.

XYZ(42.4231, 44.0970, 30.3204)	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(42.4231, 44.0970,
30.3204)**

Conversions

Conversions Part 1

Format	Color
Hex	C3AF8A
RGB	195, 175, 138
RGB Percent	76%, 69%, 54%
CMY	0.2353, 0.3137, 0.4588
CMYK	0.00, 0.10, 0.29, 0.24
HSL	39°, 32%, 65%
HSV	39°, 29%, 76%
XYZ	42.4231, 44.0970, 30.3204
YIQ	176.7620, 23.7970, -7.2670

Conversions

Conversions Part 2

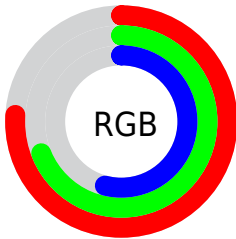
Format	Color
RYB	169, 195, 138
Decimal	12824458
CIELab	72.29, 1.54, 21.63
CIELCh	72, 21.681, 85.932
Yxy	44.0970, 0.3631, 0.3774
Android (android.graphics.Color)	4291014538 (0xFFC3AF8A)
YUV	176.7620, -19.1097, 15.9947
Hunter-Lab	66.4056, -2.1753, 19.4124

Details

The XYZ color **42.4231, 44.0970, 30.3204** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **32.5582, 33.7962, 56.4373**, and the grayscale version is **41.7543, 43.9288, 47.8385**.

A 20% lighter version of the original color is **77.9561, 81.0948, 61.4133**, and **19.8289, 20.5332, 12.1507** is the 20% darker color. If you saturate the color by 10%, you get **39.8386, 40.9880, 23.1080**, and if you desaturate by 10%, it is **45.3308, 47.4463, 38.8921**.

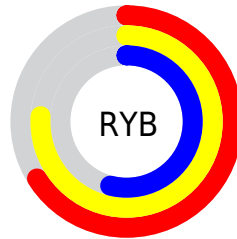
Distribution



Red (76%)

Green (69%)

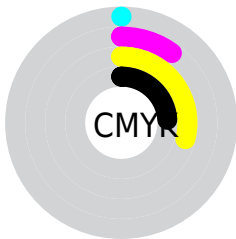
Blue (54%)



Red (66%)

Yellow (76%)

Blue (54%)

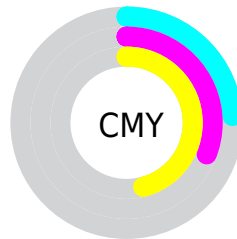


Cyan (0%)

Magenta (10%)

Yellow (29%)

Black (24%)



Cyan (24%)


Magenta (31%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.4231, 44.0970, 30.3204 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 42.4231, 44.0970, 30.3204 by changing the saturation by 10% instead.


 42.4231, 44.0970,
30.3204


 42.4231, 44.0970,
30.3204


347.1957,
363.1040, 317.6487


 29.6253, 30.7468,
19.8278


 78.1007, 81.3637,
61.2355

 19.7010, 20.4061,
12.0871


 101.7112,
106.0489, 82.4950

 12.2849, 12.6906,
6.6798


 129.6567,
135.2813, 108.1807

 7.0116, 7.2158,
3.1873

162.3025,
169.4452, 138.7109

 3.5157, 3.5974,
1.1910

200.0139,
208.9250, 174.5043

 1.4320, 1.4510,
0.0000

243.1564,

 0.2789, 0.2539,

254.1052, 215.9794

0.0000

292.0952,
305.3700, 263.5547

■ 0.0000, 0.0000,
0.0000

■ 42.4231, 44.0970,
30.3204

■ 42.4231, 44.0970,
30.3204

■ 39.8386, 40.9880,
23.1080

■ 45.3308, 47.4463,
38.8921

■ 37.5594, 38.1060,
17.1804

■ 48.5719, 51.0369,
48.8869

■ 35.5708, 35.4449,
12.4600

■ 52.1602, 54.8773,
60.3677

■ 33.8553, 32.9961,
8.8597

■ 56.1076, 58.9739,
73.3928

■ 32.3930, 30.7500,
6.2805

■ 60.4254, 63.3326,
88.0175

■ 31.1608, 28.6956,
4.6060

■ 65.1242, 67.9590,
104.2927

■ 30.1189, 26.8152,
3.6315

■ 66.9140, 71.5386,
104.8893

■ 30.0427, 26.6760,
3.5656

■ 68.7776, 75.2659,
105.5105

■ 70.7159, 79.1425,
106.1566

Harmonies

Analogous

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



46.0549, 44.0970, 32.9463



42.4231, 44.0970, 30.3204



38.8578, 44.0970, 31.8270

Triad

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



42.4231, 44.0970, 30.3204



35.7953, 44.0970, 57.5557



48.1311, 44.0970, 60.4473

Complementary

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



42.4231, 44.0970, 30.3204



32.5582, 33.7962, 56.4373

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.



45.1240, 44.0970, 68.9273



42.4231, 44.0970, 30.3204



38.0269, 44.0970, 67.0918

Square

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



42.4231, 44.0970, 30.3204



35.1661, 44.0970, 46.5734



41.4068, 44.0970, 71.5220



49.4717, 44.0970, 49.4842

Rectangle

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



42.4231, 44.0970, 30.3204



36.9738, 44.0970, 35.1125



41.4068, 44.0970, 71.5220



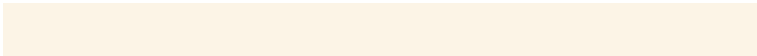
47.2733, 44.0970, 63.7425

Sweetspot

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



42.4242, 44.0990, 30.3213



87.0482, 91.4679, 87.7310



37.8439, 32.2793, 36.9919



18.8655, 19.8154, 18.5938



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.



42.4242, 44.0990, 30.3213



72.9937, 75.4161, 45.8754



44.6944, 51.4808, 31.6265



10.6065, 11.1443, 10.6539



19.6074, 17.5005, 2.3445



0.9098, 0.8815, 0.1222

Inverse Universe

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



32.5582, 33.7962, 56.4373



52.5060, 54.0292, 100.1311



30.7224, 28.1921, 55.4523



9.8109, 10.3131, 12.7584



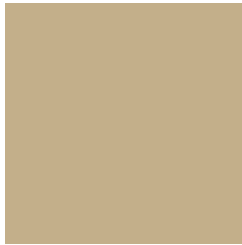
7.8337, 5.4239, 34.1907



0.4036, 0.3647, 1.4990

Previews

White Background



This preview shows how the XYZ color 42.4231, 44.0970, 30.3204 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 42.4231, 44.0970, 30.3204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

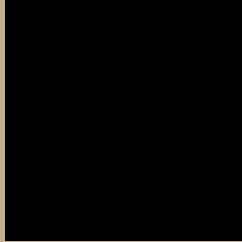
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.4231, 44.0970, 30.3204

Background



This preview shows how black text looks on a background with the XYZ color 42.4231, 44.0970, 30.3204.



This preview shows how white text looks on a background with the XYZ color 42.4231, 44.0970,

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

42.4231, 44.0970, 30.3204

Protanopia

41.3686, 44.1272, 30.7631

Deuteranopia

44.7671, 43.8789, 30.5361



Tritanopia

46.4509, 44.0327, 50.3069

Trichromacy



Original Color

42.4231, 44.0970, 30.3204

Protanomaly

41.6714, 43.9911, 30.7209

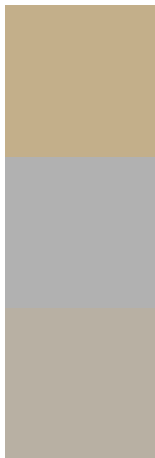
Deuteranomaly

44.0413, 44.0656, 30.6104

Tritanomaly

44.7345, 43.8848, 42.1892

Monochromacy



Original Color

42.4231, 44.0970, 30.3204

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

41.9034, 43.8854, 40.9125

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4231, 44.0970, 30.3204 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(195, 175, 138)` looks like.

```
.text, #text, p{  
    color:rgb(195, 175, 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(195, 175, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 175, 138) }
```

Border

The CSS property to change the border of an element to XYZ 42.4231, 44.0970, 30.3204 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(195, 175, 138) }
```


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

```
.border{ border-color:rgb(195, 175, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 175, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 175, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 175, 138);  
box-shadow:4px 4px 4px 4px rgb(195, 175,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4231, 44.0970, 30.3204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 175, 138) }
```

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

```
.background{ background-color: rgb(195,  
175, 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](#).

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