

Converting Colors

XYZ(42.4192, 42.9892, 28.6163)

Have a look what the booklet for
XYZ(42.4192, 42.9892, 28.6163)
contains.

XYZ(42.4192, 42.9892, 28.6163)	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(42.4192, 42.9892,
28.6163)**

Conversions

Conversions Part 1

Format	Color
Hex	C7AB86
RGB	199, 171, 134
RGB Percent	78%, 67%, 53%
CMY	0.2196, 0.3294, 0.4745
CMYK	0.00, 0.14, 0.33, 0.22
HSL	34°, 37%, 65%
HSV	34°, 33%, 78%
XYZ	42.4192, 42.9892, 28.6163
YIQ	175.1540, 28.5650, -5.5710

Conversions

Conversions Part 2

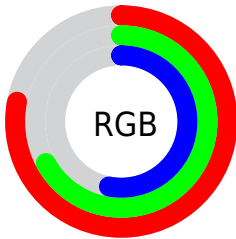
Format	Color
R_{YB}	183, 199, 134
Decimal	13085574
CIE _{Lab}	71.55, 4.74, 22.83
CIE _{LCh}	72, 23.322, 78.272
Yxy	42.9892, 0.3720, 0.3770
Android (android.graphics.Color)	4291275654 (0xFFC7AB86)
YUV	175.1540, -20.2889, 20.9129
Hunter-Lab	65.5661, 0.7430, 20.0192

Details

The XYZ color **42.4192, 42.9892, 28.6163** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **33.0603, 35.0314, 59.0522**, and the grayscale version is **40.9197, 43.0507, 46.8822**.

A 20% lighter version of the original color is **77.4060, 79.2406, 58.2289**, and **19.6987, 19.7630, 11.1639** is the 20% darker color. If you saturate the color by 10%, you get **39.5932, 39.3533, 21.4591**, and if you desaturate by 10%, it is **45.6136, 46.9436, 37.1858**.

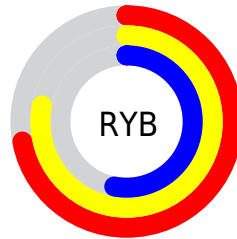
Distribution



Red (78%)

Green (67%)

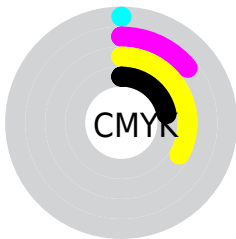
Blue (53%)



Red (72%)

Yellow (78%)

Blue (53%)

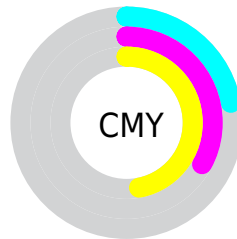


Cyan (0%)

Magenta (14%)

Yellow (33%)

Black (22%)



Cyan (22%)


Magenta (33%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.4192, 42.9892, 28.6163 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 42.4192, 42.9892, 28.6163 by changing the saturation by 10% instead.


 42.4192, 42.9892,
28.6163


 42.4192, 42.9892,
28.6163


347.1799,
358.5674, 309.4043

 29.6222, 29.8766,
18.5477


 78.0949, 79.6946,
58.5018

 19.6987, 19.7450,
11.1704


 101.7043,
104.0562, 79.1557

 12.2832, 12.2098,
6.0660


 129.6485,
132.9362, 104.1752

 7.0104, 6.8867,
2.8158

162.2929,
166.7191, 133.9787

 3.5150, 3.3914,
1.0014

200.0030,
205.7893, 168.9849

 1.4316, 1.3393,
0.0000

243.1439,

 0.2786, 0.1713,

250.5312, 209.6122

0.0000

292.0811,
301.3290, 256.2791

■ 0.0000, 0.0000,
0.0000

■ 42.4192, 42.9892,
28.6163

■ 42.4192, 42.9892,
28.6163

■ 39.5932, 39.3533,
21.4591

■ 45.6136, 46.9436,
37.1858

■ 37.1157, 36.0200,
15.6335

■ 49.1885, 51.2197,
47.2370

■ 34.9696, 32.9809,
11.0548


■ 53.1596, 55.8284,
58.8376


■ 33.1346, 30.2244,
7.6272


■ 57.5405, 60.7779,
72.0505


■ 31.5880, 27.7381,
5.2407


■ 62.3441, 66.0763,
86.9352


 30.3026, 25.5075,
3.7635

 67.5828, 71.7314,
103.5479

 29.4908, 24.0173,
3.0815

 70.1797, 76.5150,
105.6778

 72.6377, 81.4311,
106.4971

 75.2149, 86.5854,
107.3562

Harmonies

Analogous

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



46.1125, 42.9892, 32.4111



42.4192, 42.9892, 28.6163



38.5304, 42.9892, 29.0806

Triad

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



42.4192, 42.9892, 28.6163



34.0802, 42.9892, 53.9453



46.7786, 42.9892, 62.7846

Complementary

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



42.4192, 42.9892, 28.6163



33.0603, 35.0314, 59.0522

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.



43.2815, 42.9892, 70.5806



42.4192, 42.9892, 28.6163



36.0222, 42.9892, 64.9390

Square

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



42.4192, 42.9892, 28.6163



33.8822, 42.9892, 42.5350



39.3394, 42.9892, 71.4269



48.7354, 42.9892, 51.3578

Rectangle

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



42.4192, 42.9892, 28.6163



36.3449, 42.9892, 31.7574



39.3394, 42.9892, 71.4269



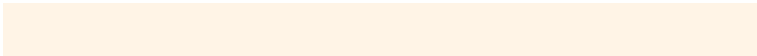
45.7342, 42.9892, 65.9907

Sweetspot

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



42.4203, 42.9912, 28.6172



87.8086, 91.6568, 87.5588



38.6150, 31.8074, 38.3648



18.5893, 19.3778, 18.1482



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.



42.4203, 42.9912, 28.6172



70.7879, 70.8155, 41.1909



47.1463, 54.1260, 30.5173



11.1266, 11.6223, 11.2197



19.0517, 15.6205, 2.0109



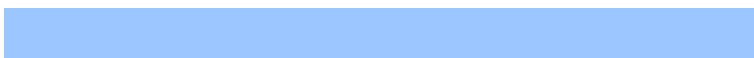
0.9730, 0.8815, 0.1189

Inverse Universe

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



33.0603, 35.0314, 59.0522



51.9552, 54.8067, 102.4482



29.3709, 26.6060, 57.6204



10.4261, 11.0262, 13.4962



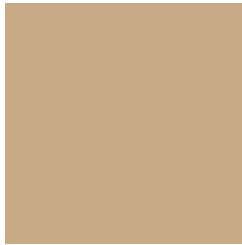
8.8372, 7.0683, 35.6429



0.4901, 0.4779, 1.7116

Previews

White Background



This preview shows how the XYZ color 42.4192, 42.9892, 28.6163 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 42.4192, 42.9892, 28.6163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

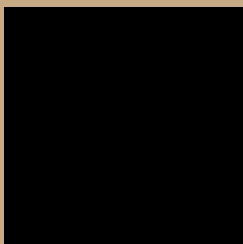
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

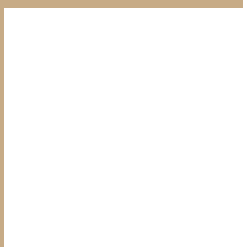
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.4192, 42.9892, 28.6163

Background



This preview shows how black text looks on a background with the XYZ color 42.4192, 42.9892, 28.6163.



This preview shows how white text looks on a background with the XYZ color 42.4192, 42.9892,

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

42.4192, 42.9892, 28.6163

Protanopia

40.2674, 43.0023, 29.4705

Deuteranopia

43.8294, 42.8763, 28.8876



Tritanopia

46.3929, 42.9620, 47.9668

Trichromacy



Original Color

42.4192, 42.9892, 28.6163

Protanomaly

40.9951, 43.0977, 29.0797

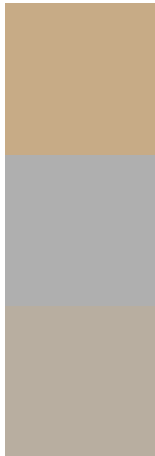
Deuteranomaly

43.1897, 42.8217, 28.9107

Tritanomaly

44.6974, 42.8026, 40.0883

Monochromacy



Original Color

42.4192, 42.9892, 28.6163

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

41.2484, 43.0005, 39.3836

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4192, 42.9892, 28.6163 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(199, 171, 134)` looks like.

```
.text, #text, p{  
    color:rgb(199, 171, 134)  
}
```

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(199, 171, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 171, 134) }
```

Border

The CSS property to change the border of an element to XYZ 42.4192, 42.9892, 28.6163 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(199, 171, 134) }
```


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

```
.border{ border-color:rgb(199, 171, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 171, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 171, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 171, 134);  
box-shadow:4px 4px 4px 4px rgb(199, 171,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4192, 42.9892, 28.6163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 171, 134) }
```

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

```
.background{ background-color: rgb(199,  
171, 134) }
```

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