

Converting Colors

XYZ(41.7630, 40.9096, 19.7550)

Have a look what the booklet for
XYZ(41.7630, 40.9096, 19.7550)
contains.

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Color

**XYZ(41.7144, 40.8990,
19.8831)**

Conversions

Conversions Part 1

Format	Color
Hex	CFA46C
RGB	207, 164, 108
RGB Percent	81%, 64%, 42%
CMY	0.1882, 0.3568, 0.5765
CMYK	0.00, 0.21, 0.48, 0.19
HSL	34°, 51%, 62%
HSV	34°, 48%, 81%
XYZ	41.7144, 40.8990, 19.8831
YIQ	170.4730, 43.6040, -8.3000

Conversions

Conversions Part 2

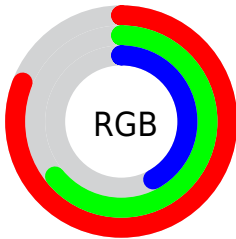
Format	Color
RYB	184, 207, 108
Decimal	13608044
CIELab	70.11, 8.83, 34.99
CIELCh	70, 36.087, 75.836
Yxy	40.8990, 0.4070, 0.3990
Android (android.graphics.Color)	4291798124 (0xFFCFA46C)
YUV	170.4730, -30.7992, 32.0342
Hunter-Lab	63.9523, 4.5142, 26.3331

Details

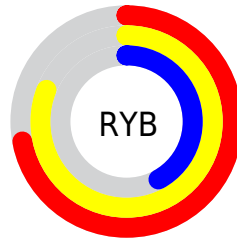
The XYZ color **41.7144, 40.8990, 19.8831** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **28.5131, 29.8254, 63.2855**, and the grayscale version is **38.5794, 40.5886, 44.2009**.

A 20% lighter version of the original color is **72.9167, 74.4611, 43.7870**, and **19.1613, 18.3881, 6.6770** is the 20% darker color. If you saturate the color by 10%, you get **39.1887, 37.4062, 14.2363**, and if you desaturate by 10%, it is **44.6174, 44.7278, 26.9469**.

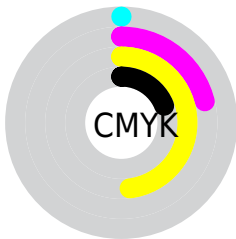
Distribution



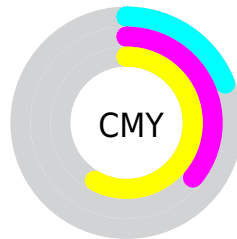
- Red (81%)
- Green (64%)
- Blue (42%)



- Red (72%)
- Yellow (81%)
- Blue (42%)



- Cyan (0%)
- Magenta (21%)
- Yellow (48%)
- Black (19%)



- Cyan (19%)
- Magenta (36%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7144, 40.8990, 19.8831 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 41.7144, 40.8990, 19.8831 by changing the saturation by 10% instead.

■ 41.7144, 40.8990,
19.8831

■ 41.7144, 40.8990,
19.8831

344.3095,
349.8983, 263.8648

■ 29.0679, 28.2402,
12.1269

■ 77.0351, 76.5305,
44.0775

■ 19.2767, 18.5068,
6.7065

■ 100.4399,
100.2721, 61.3527

■ 11.9756, 11.3144,
3.2036

■ 128.1616,
128.4766, 82.6381

■ 6.7991, 6.2787,
1.1995

■ 160.5654,
161.5285, 108.3520

■ 3.3820, 3.0153,
0.0000

198.0167,
199.8123, 138.9131

■ 1.3588, 1.1397,
0.0000

240.8810,

■ 0.2266, 0.0116,

243.7122, 174.7399

0.0000

289.5234,
293.6128, 216.2510

■ 0.0000, 0.0000,
0.0000

■ 41.7144, 40.8990,
19.8831

■ 41.7144, 40.8990,
19.8831

■ 39.1887, 37.4062,
14.2363

■ 44.6174, 44.7278,
26.9469

■ 37.0161, 34.2315,
9.9042

■ 47.9140, 48.8980,
35.5152

■ 35.1740, 31.3633,
6.7745


■ 51.6229, 53.4223,
45.6715


■ 33.6349, 28.7866,
4.7148


■ 55.7605, 58.3107,
57.4922


■ 32.3602, 26.4821,
3.5353

■ 60.3425, 63.5727,
71.0488

 32.1051, 26.0114,
3.3286

 65.3835, 69.2174,
86.4086

 70.8974, 75.2537,
103.6353

 73.7560, 80.4332,
106.2455

 76.4088, 85.7388,
107.1298

Harmonies

Analogous

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



47.3206, 40.8990, 25.0626



41.7144, 40.8990, 19.8831



35.8603, 40.8990, 20.0268

Triad

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



41.7144, 40.8990, 19.8831



28.9532, 40.8990, 53.9948



47.5879, 40.8990, 71.2052

Complementary

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



41.7144, 40.8990, 19.8831



28.5131, 29.8254, 63.2855

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.



42.0504, 40.8990, 83.6492



41.7144, 40.8990, 19.8831



31.4963, 40.8990, 72.1257

Square

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



41.7144, 40.8990, 19.8831



28.8828, 40.8990, 37.0491



36.1642, 40.8990, 84.0233



50.9367, 40.8990, 52.9603

Rectangle

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



41.7144, 40.8990, 19.8831



32.6053, 40.8990, 23.0526



36.1642, 40.8990, 84.0233



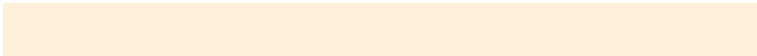
45.8971, 40.8990, 76.3875

Sweetspot

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



41.7154, 40.9010, 19.8839



85.0775, 88.4139, 79.8066



36.8076, 26.2760, 33.0747



17.9081, 18.5648, 16.2275



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.



41.7154, 40.9010, 19.8839



62.8576, 60.0225, 22.9247



49.3904, 58.2719, 22.8323



12.3557, 12.9021, 12.4512



20.3233, 16.5797, 2.1290



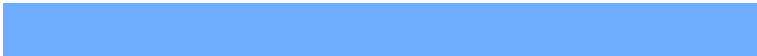
1.2145, 1.0833, 0.1451

Inverse Universe

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



28.5131, 29.8254, 63.2855



39.3374, 40.3136, 100.3157



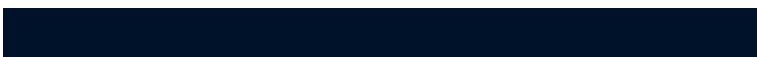
23.4291, 18.7380, 61.4134



11.5800, 12.2502, 14.9978



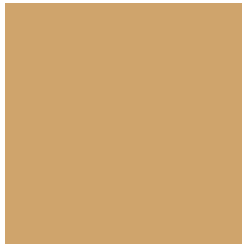
9.4845, 7.6156, 38.1626



0.6085, 0.5823, 2.1599

Previews

White Background



This preview shows how the XYZ color 41.7144, 40.8990, 19.8831 looks on a white background.

Color Contrast Check

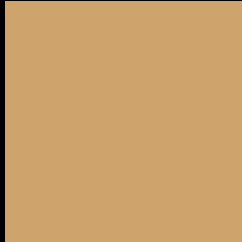
Large Text (above 18pt) WCAG AA × Fail

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 41.7144, 40.8990, 19.8831 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

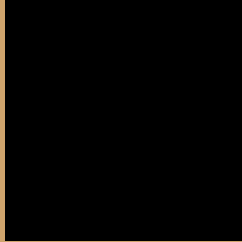
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.7144, 40.8990, 19.8831

Background



This preview shows how black text looks on a background with the XYZ color 41.7144, 40.8990, 19.8831.



This preview shows how white text looks on a background with the XYZ color 41.7144, 40.8990,

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

41.7144, 40.8990, 19.8831

Protanopia

38.1153, 41.2175, 20.9858

Deuteranopia

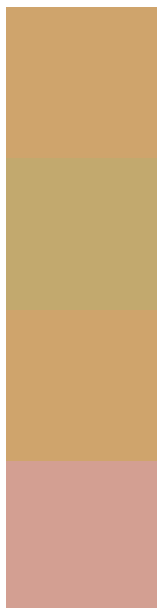
41.7144, 40.8990, 19.8831



Tritanopia

46.3969, 40.7502, 42.4660

Trichromacy



Original Color

41.7144, 40.8990, 19.8831

Protanomaly

39.2506, 40.9711, 20.5913

Deuteranomaly

41.7144, 40.8990, 19.8831

Tritanomaly

44.4504, 40.7205, 32.7112

Monochromacy



Original Color

41.7144, 40.8990, 19.8831

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.7975, 40.1791, 33.3143

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7144, 40.8990, 19.8831 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(207, 164, 108)` looks like.

```
.text, #text, p{  
    color:rgb(207, 164, 108)  
}
```

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(207, 164, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 164, 108) }
```

Border

The CSS property to change the border of an element to XYZ 41.7144, 40.8990, 19.8831 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(207, 164, 108) }
```


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

```
.border{ border-color:rgb(207, 164, 108) }
```

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

Here you see how a box with a 4 pixel rgb(207, 164, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 164, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 164, 108);  
box-shadow:4px 4px 4px 4px rgb(207, 164,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7144, 40.8990, 19.8831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 164, 108) }
```

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

```
.background{ background-color: rgb(207,  
164, 108) }
```

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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