

Converting Colors

XYZ(40.6699, 42.5018, 22.5831)

Have a look what the booklet for
XYZ(40.6699, 42.5018, 22.5831)
contains.

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Color

**XYZ(40.6699, 42.5018,
22.5831)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | C4AC74 |
| RGB | 196, 172, 116 |
| RGB Percent | 77%, 67%, 45% |
| CMY | 0.2314, 0.3255, 0.5451 |
| CMYK | 0.00, 0.12, 0.41, 0.23 |
| HSL | 42°, 40%, 61% |
| HSV | 42°, 41%, 77% |
| XYZ | 40.6699, 42.5018, 22.5831 |
| YIQ | 172.7920, 32.2800, -12.3280 |

Conversions

Conversions Part 2

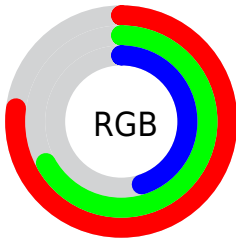
| Format | Color |
|-------------------------------------|---|
| RYB | 150, 196, 116 |
| Decimal | 12889204 |
| CIELab | 71.22, 0.85, 31.98 |
| CIELCh | 71, 31.996, 88.486 |
| Yxy | 42.5018, 0.3846, 0.4019 |
| Android (android.graphics.Color) | 4291079284 (0xFFC4AC74) |
| YUV | 172.7920, -27.9985, 20.3534 |
| Hunter-Lab | 65.1934, -2.7340, 25.0972 |

Details

The XYZ color **40.6699, 42.5018, 22.5831** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **26.5441, 26.4538, 55.9317**, and the grayscale version is **39.7420, 41.8117, 45.5329**.

A 20% lighter version of the original color is **75.5036, 78.8736, 48.7808**, and **18.7141, 19.5009, 8.0879** is the 20% darker color. If you saturate the color by 10%, you get **38.5540, 39.9061, 16.8342**, and if you desaturate by 10%, it is **43.0780, 45.2967, 29.6171**.

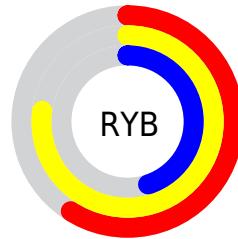
Distribution



Red (77%)

Green (67%)

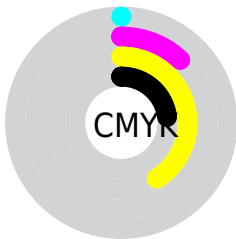
Blue (45%)



Red (59%)

Yellow (77%)

Blue (45%)

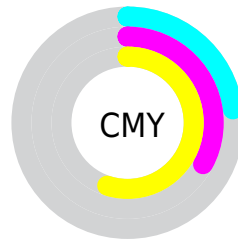


Cyan (0%)

Magenta (12%)

Yellow (41%)

Black (23%)



Cyan (23%)


Magenta (33%)


Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.6699, 42.5018, 22.5831 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 40.6699, 42.5018, 22.5831 by changing the saturation by 10% instead.


 40.6699, 42.5018,
22.5831


 40.6699, 42.5018,
22.5831


340.0253,
356.5589, 278.6286

 28.2478, 29.4944,
14.0836


 75.4604, 78.9585,
48.6223

 18.6539, 19.4552,
8.0394


 98.5595, 103.1766,
66.9992

 11.5230, 11.9996,
4.0320


 125.9483,
131.9005, 89.5055

 6.4896, 6.7434,
1.6429

157.9922,
165.5144, 116.5598

 3.1885, 3.3022,
0.3212

195.0564,
204.4028, 148.5808

 1.2542, 1.2914,
0.0000

237.5065,

 0.1485, 0.1346,

248.9501, 185.9869

0.0000

285.7076,
299.5406, 229.1966

■ 0.0000, 0.0000,
0.0000

■ 40.6699, 42.5018,
22.5831

■ 40.6699, 42.5018,
22.5831

■ 38.5540, 39.9061,
16.8342

■ 43.0780, 45.2967,
29.6171

■ 36.7113, 37.4963,
12.2871

■ 45.7896, 48.2917,
38.0071

■ 35.1251, 35.2662,
8.8531

■ 48.8193, 51.4950,
47.8219

■ 33.7753, 33.2069,
6.4296

■ 52.1797, 54.9128,
59.1249

■ 32.6383, 31.3077,
4.8951

■ 55.8827, 58.5507,
71.9756

■ 31.7407, 29.6872,
4.0573

■ 59.9394, 62.4141,
86.4302

■ 64.3606, 66.5081,
102.5423

■ 66.1559, 69.6377,
104.5624

■ 67.7172, 72.7602,
105.0828

Harmonies

Analogous

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



46.0317, 42.5018, 25.3858



40.6699, 42.5018, 22.5831



35.6743, 42.5018, 24.8663

Triad

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



40.6699, 42.5018, 22.5831



31.9921, 42.5018, 61.8442



49.8434, 42.5018, 63.4993

Complementary

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



40.6699, 42.5018, 22.5831



26.5441, 26.4538, 55.9317

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.



45.5185, 42.5018, 77.3997



40.6699, 42.5018, 22.5831



35.2414, 42.5018, 76.3048

Square

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



40.6699, 42.5018, 22.5831



30.9381, 42.5018, 45.5009



40.1247, 42.5018, 82.5335



51.6098, 42.5018, 47.0623

Rectangle

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



40.6699, 42.5018, 22.5831



33.1550, 42.5018, 29.3292



40.1247, 42.5018, 82.5335



48.6228, 42.5018, 68.7479

Sweetspot

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



40.6710, 42.5038, 22.5840



87.6505, 92.4667, 84.0340



33.7443, 26.1204, 28.0746



18.6000, 19.6237, 17.4596



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.



40.6710, 42.5038, 22.5840



70.2203, 72.7684, 31.4814



41.7149, 50.4442, 24.0616



10.6501, 11.2317, 10.6685



20.4730, 19.2318, 2.6331



0.9425, 0.9469, 0.1331

Inverse Universe

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



26.5441, 26.4538, 55.9317



41.1792, 39.8010, 100.1197



25.7253, 21.3823, 54.9959



9.7691, 10.2296, 12.7444



7.4668, 4.6900, 34.0683



0.3845, 0.3265, 1.4926

Previews

White Background



This preview shows how the XYZ color 40.6699, 42.5018, 22.5831 looks on a white background.

Color Contrast Check

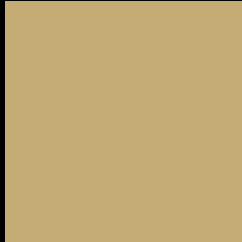
Large Text (above 18pt) WCAG AA × Fail

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 40.6699, 42.5018, 22.5831 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

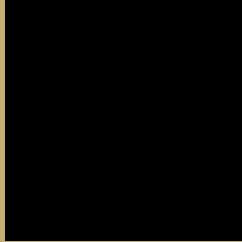
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.6699, 42.5018, 22.5831

Background



This preview shows how black text looks on a background with the XYZ color 40.6699, 42.5018, 22.5831.



This preview shows how white text looks on a background with the XYZ color 40.6699, 42.5018,

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

40.6699, 42.5018, 22.5831

Protanopia

39.3332, 42.3753, 22.9358

Deuteranopia

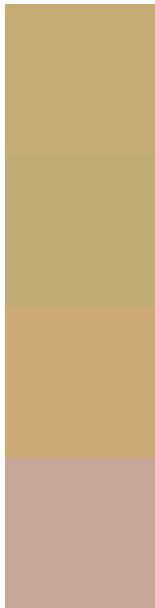
43.3241, 42.4771, 22.7451



Tritanopia

45.5684, 42.2818, 47.3545

Trichromacy



Original Color

40.6699, 42.5018, 22.5831

Protanomaly

39.8927, 42.3780, 22.9068

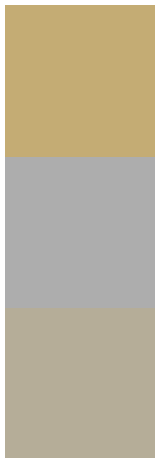
Deuteranomaly

42.3007, 42.4977, 22.8030

Tritanomaly

43.5545, 42.2834, 36.8763

Monochromacy



Original Color

40.6699, 42.5018, 22.5831

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.6671, 41.9779, 35.7176

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6699, 42.5018, 22.5831 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(196, 172, 116)` looks like.

```
.text, #text, p{  
    color:rgb(196, 172, 116)  
}
```

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(196, 172, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 172, 116) }
```

Border

The CSS property to change the border of an element to XYZ 40.6699, 42.5018, 22.5831 is called "border". The border property can be set on classes, ids or directly on the HTML element.

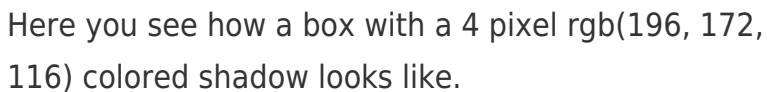
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 172, 116) }
```


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

```
.border{ border-color:rgb(196, 172, 116) }
```

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



Here you see how a box with a 4 pixel `rgb(196, 172, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 172, 116); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 172, 116); box-shadow:4px 4px 4px 4px rgb(196, 172, 116) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6699, 42.5018, 22.5831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 172, 116) }
```

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

```
.background{ background-color: rgb(196,  
172, 116) }
```

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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