

Converting Colors

XYZ(36.9555, 37.9730, 22.6146)

Have a look what the booklet for
XYZ(36.9555, 37.9730, 22.6146)
contains.

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Color

**XYZ(36.9294, 37.8400,
22.4970)**

Conversions

Conversions Part 1

Format	Color
Hex	BCA276
RGB	188, 162, 118
RGB Percent	74%, 64%, 46%
CMY	0.2627, 0.3647, 0.5372
CMYK	0.00, 0.14, 0.37, 0.26
HSL	38°, 34%, 60%
HSV	38°, 37%, 74%
XYZ	36.9294, 37.8400, 22.4970
YIQ	164.7580, 29.6200, -8.1720

Conversions

Conversions Part 2

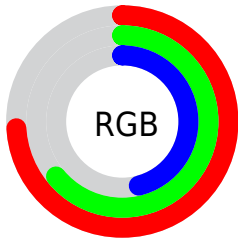
Format	Color
R_{YB}	159, 188, 118
Decimal	12362358
CIE _{Lab}	67.90, 3.20, 26.42
CIE _{LCh}	68, 26.616, 83.092
Yxy	37.8400, 0.3797, 0.3890
Android (android.graphics.Color)	4290552438 (0xFFBCA276)
YUV	164.7580, -23.0517, 20.3832
Hunter-Lab	61.5142, -0.4894, 21.3764

Details

The XYZ color **36.9294, 37.8400, 22.4970** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **26.5214, 27.4281, 51.4734**, and the grayscale version is **35.7460, 37.6076, 40.9546**.

A 20% lighter version of the original color is **69.8197, 71.9785, 48.7414**, and **16.4315, 16.7851, 8.0040** is the 20% darker color. If you saturate the color by 10%, you get **34.7260, 35.0464, 16.7893**, and if you desaturate by 10%, it is **39.4257, 40.8628, 29.4017**.

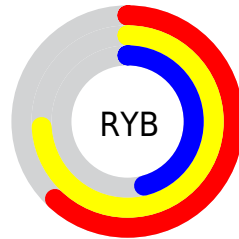
Distribution



Red (74%)

Green (64%)

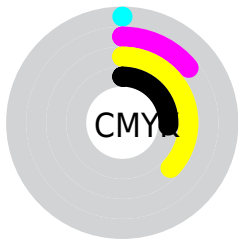
Blue (46%)



Red (62%)

Yellow (74%)

Blue (46%)

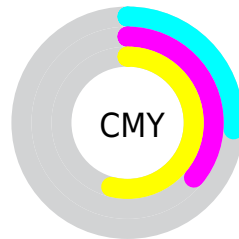


Cyan (0%)

Magenta (14%)

Yellow (37%)

Black (26%)



Cyan (26%)

Magenta (36%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.9294, 37.8400, 22.4970 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 36.9294, 37.8400, 22.4970 by changing the saturation by 10% instead.

■ 36.9294, 37.8400,
22.4970

■ 36.9294, 37.8400,
22.4970

324.3656,
336.9331, 278.1685

■ 25.3263, 25.8585,
14.0207

■ 69.7787, 71.8628,
48.4787

■ 16.4503, 16.7178,
7.9962

■ 91.7556, 94.6730,
66.8213

■ 9.9362, 10.0335,
4.0048

■ 117.9211,
121.8615, 89.2897

■ 5.4186, 5.4212,
1.6280

148.6406,
153.8127, 116.3026

■ 2.5322, 2.4964,
0.3107

184.2795,
190.9111, 148.2783

■ 0.9115, 0.8749,
0.0000

225.2030,

■ 0.0000, 0.0000,

233.5411, 185.6355

0.0000

271.7766,
282.0869, 228.7928

■ 36.9294, 37.8400,
22.4970

■ 36.9294, 37.8400,
22.4970

■ 34.7260, 35.0464,
16.7893

■ 39.4257, 40.8628,
29.4017

■ 32.7983, 32.4693,
12.2060

■ 42.2253, 44.1164,
37.5657

■ 31.1313, 30.1021,
8.6698

■ 45.3415, 47.6095,
47.0498

■ 29.7073, 27.9360,
6.0929

■ 48.7859, 51.3481,
57.9100

■ 28.5057, 25.9608,
4.3728

■ 52.5696, 55.3382,
70.1991

■ 27.4978, 24.1632,
3.3640

■ 56.7029, 59.5857,
83.9672

■ 27.2390, 23.6912,
3.1372

■ 61.1958, 64.0961,
99.2618

■ 63.8239, 67.9811,
104.3655

■ 65.6713, 71.6758,
104.9813

Harmonies

Analogous

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



40.9485, 37.8400, 25.5608



36.9294, 37.8400, 22.4970



32.9404, 37.8400, 23.6222

Triad

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



36.9294, 37.8400, 22.4970



29.1445, 37.8400, 50.7801



42.6963, 37.8400, 56.4235

Complementary

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



36.9294, 37.8400, 22.4970



26.5214, 27.4281, 51.4734

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.



39.1710, 37.8400, 65.8619



36.9294, 37.8400, 22.4970



31.4046, 37.8400, 62.1925

Square

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



36.9294, 37.8400, 22.4970



28.6445, 37.8400, 38.5260



35.0191, 37.8400, 68.1534



44.4391, 37.8400, 43.9977

Rectangle

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



36.9294, 37.8400, 22.4970



30.8090, 37.8400, 26.7251



35.0191, 37.8400, 68.1534



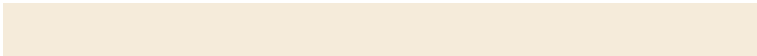
41.6681, 37.8400, 60.1405

Sweetspot

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



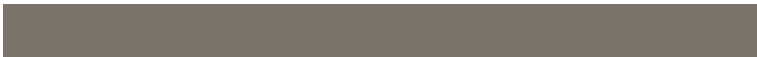
36.9304, 37.8418, 22.4978



79.8756, 83.7338, 78.1942



32.3158, 25.6879, 29.9762



17.0119, 17.8219, 16.3124



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.



36.9304, 37.8418, 22.4978



63.5010, 64.2490, 31.8434



40.0371, 46.9579, 24.0936



10.0163, 10.5086, 10.0771



18.6188, 16.2763, 2.1603



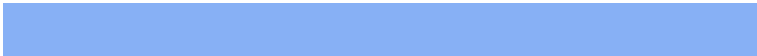
0.7900, 0.7589, 0.1048

Inverse Universe

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



26.5214, 27.4281, 51.4734



41.8220, 42.5760, 92.2399



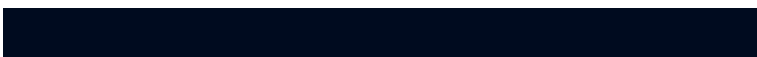
24.1847, 21.0365, 50.3628



9.2989, 9.7902, 12.0718



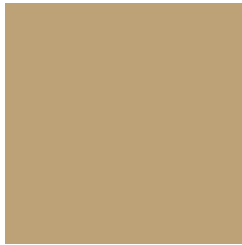
7.7295, 5.5707, 33.0608



0.3660, 0.3446, 1.3161

Previews

White Background



This preview shows how the XYZ color 36.9294, 37.8400, 22.4970 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 36.9294, 37.8400, 22.4970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

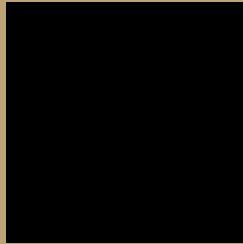
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.9294, 37.8400, 22.4970

Background



This preview shows how black text looks on a background with the XYZ color 36.9294, 37.8400, 22.4970.



This preview shows how white text looks on a background with the XYZ color 36.9294, 37.8400,

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

36.9294, 37.8400, 22.4970

Protanopia

35.1450, 37.7072, 22.8786

Deuteranopia

38.7539, 37.9985, 22.7447



Tritanopia

40.9487, 37.9415, 42.2110

Trichromacy



Original Color

36.9294, 37.8400, 22.4970

Protanomaly

35.8966, 37.8279, 22.8623

Deuteranomaly

38.1487, 37.9429, 22.7658

Tritanomaly

39.2177, 37.7321, 34.0702

Monochromacy



Original Color

36.9294, 37.8400, 22.4970

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

35.8543, 37.5733, 33.3796

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9294, 37.8400, 22.4970 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, 162, 118)` looks like.

```
.text, #text, p{  
    color:rgb(188, 162, 118)  
}
```

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, 162, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 162, 118) }
```

Border

The CSS property to change the border of an element to XYZ 36.9294, 37.8400, 22.4970 is called "border". The border property can be set on classes, ids or directly on the HTML element.

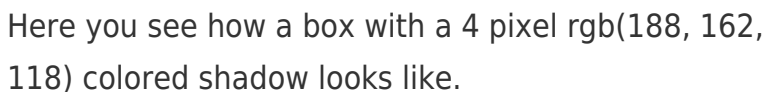
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 162, 118) }
```


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

```
.border{ border-color:rgb(188, 162, 118) }
```

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



Here you see how a box with a 4 pixel `rgb(188, 162, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(188, 162, 118); -webkit-box-shadow:4px 4px 4px 4px rgb(188, 162, 118); box-shadow:4px 4px 4px 4px rgb(188, 162, 118) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9294, 37.8400, 22.4970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 162, 118) }
```

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

```
.background{ background-color: rgb(188,  
162, 118) }
```

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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