

Converting Colors

XYZ(38.3521, 40.8548, 22.4489)

Have a look what the booklet for
XYZ(38.3521, 40.8548, 22.4489)
contains.

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Color

**XYZ(38.2661, 40.7018,
22.3624)**

Conversions

Conversions Part 1

Format	Color
Hex	BCAA74
RGB	188, 170, 116
RGB Percent	74%, 67%, 45%
CMY	0.2627, 0.3333, 0.5451
CMYK	0.00, 0.10, 0.38, 0.26
HSL	45°, 35%, 60%
HSV	45°, 38%, 74%
XYZ	38.2661, 40.7018, 22.3624
YIQ	169.2260, 28.0620, -12.9780

Conversions

Conversions Part 2

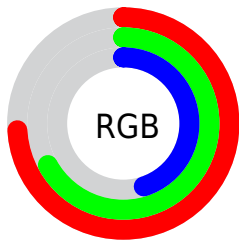
Format	Color
RYB	140, 188, 116
Decimal	12364404
CIELab	69.97, -1.35, 30.22
CIELCh	70, 30.248, 92.549
Yxy	40.7018, 0.3776, 0.4017
Android (android.graphics.Color)	4290554484 (0xFFBCAA74)
YUV	169.2260, -26.2404, 16.4648
Hunter-Lab	63.7980, -4.5819, 23.8763

Details

The XYZ color **38.2661, 40.7018, 22.3624** is a light color, and the websafe version is hex **999966**. A complement of this color would be **24.8043, 24.3931, 50.9778**, and the grayscale version is **37.9410, 39.9169, 43.4695**.

A 20% lighter version of the original color is **71.7428, 76.1275, 48.4489**, and **17.1644, 18.3487, 7.9472** is the 20% darker color. If you saturate the color by 10%, you get **36.4165, 38.5791, 16.8858**, and if you desaturate by 10%, it is **40.3706, 42.9798, 29.0167**.

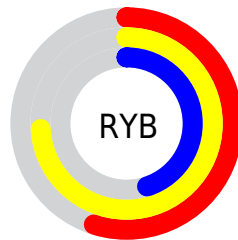
Distribution



Red (74%)

Green (67%)

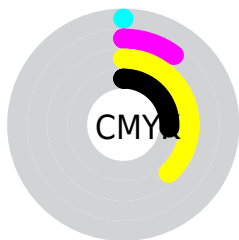
Blue (45%)



Red (55%)

Yellow (74%)

Blue (45%)

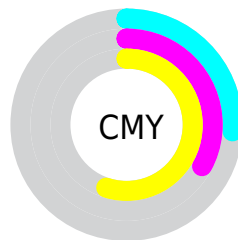


Cyan (0%)

Magenta (10%)

Yellow (38%)

Black (26%)



Cyan (26%)

Magenta (33%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.2661, 40.7018, 22.3624 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 38.2661, 40.7018, 22.3624 by changing the saturation by 10% instead.

■ 38.2661, 40.7018,
22.3624

■ 38.2661, 40.7018,
22.3624

330.0212,
349.0727, 277.4480

■ 26.3674, 28.0862,
13.9226

■ 71.8171, 76.2310,
48.2541

■ 17.2328, 18.3906,
7.9287

■ 94.2001, 99.9134,
66.5430

■ 10.4970, 11.2308,
3.9622

■ 120.8087,
128.0534, 88.9521

■ 5.7945, 6.2223,
1.6047

152.0080,
161.0355, 115.8998

■ 2.7600, 2.9807,
0.2941

188.1636,
199.2441, 147.8047

■ 1.0281, 1.1217,
0.0000

229.6408,

■ 0.0000, 0.0000,

243.0636, 185.0853

0.0000

276.8049,
292.8783, 228.1603

■ 38.2661, 40.7018,
22.3624

■ 38.2661, 40.7018,
22.3624

■ 36.4165, 38.5791,
16.8858

■ 40.3706, 42.9798,
29.0167

■ 34.8050, 36.6000,
12.5136

■ 42.7394, 45.4129,
36.9112

■ 33.4173, 34.7598,
9.1680

■ 45.3855, 48.0084,
46.1068

■ 32.2362, 33.0510,
6.7602

■ 48.3197, 50.7710,
56.6597

■ 31.2417, 31.4651,
5.1859

■ 51.5524, 53.7053,
68.6229

■ 30.4017, 29.9887,
4.2780

■ 55.0933, 56.8158,
82.0464

■ 30.2657, 29.7448,
4.1461

■ 58.9518, 60.1067,
96.9778

■ 61.2461, 62.8257,
103.5063

■ 62.4058, 65.1451,
103.8929

Harmonies

Analogous

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



43.2197, 40.7018, 24.3372



38.2661, 40.7018, 22.3624



33.8094, 40.7018, 25.1552

Triad

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



38.2661, 40.7018, 22.3624



31.2369, 40.7018, 60.5764



47.7166, 40.7018, 58.0389

Complementary

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



38.2661, 40.7018, 22.3624



24.8043, 24.3931, 50.9778

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.



44.0100, 40.7018, 71.3481



38.2661, 40.7018, 22.3624



34.4807, 40.7018, 73.0182

Square

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



38.2661, 40.7018, 22.3624



29.9722, 40.7018, 45.5348



39.1086, 40.7018, 77.3245



48.9431, 40.7018, 43.1218

Rectangle

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



38.2661, 40.7018, 22.3624



31.6417, 40.7018, 29.7812



39.1086, 40.7018, 77.3245



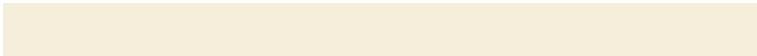
46.7047, 40.7018, 62.9484

Sweetspot

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



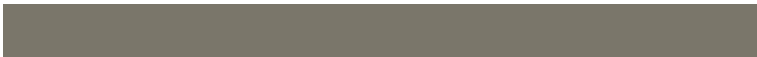
38.2671, 40.7037, 22.3632



80.8195, 85.6215, 78.5088



31.2877, 24.9038, 25.7126



17.2381, 18.2744, 16.3879



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.



38.2671, 40.7037, 22.3632



66.4887, 70.4961, 32.0015



37.7132, 45.7733, 23.3710



10.1148, 10.7056, 10.1099



20.6679, 20.3745, 2.8434



0.8585, 0.8960, 0.1277

Inverse Universe

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



24.8043, 24.3931, 50.9778



38.6259, 36.7598, 91.2857



25.1544, 21.1904, 50.3411



9.2051, 9.6025, 12.0405



6.9227, 3.9571, 32.7918



0.3251, 0.2629, 1.3025

Previews

White Background



This preview shows how the XYZ color 38.2661, 40.7018, 22.3624 looks on a white background.

Color Contrast Check

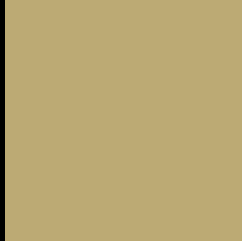
Large Text (above 18pt) WCAG AA × Fail

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 38.2661, 40.7018, 22.3624 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

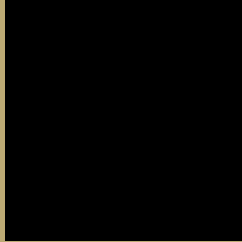
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.2661, 40.7018, 22.3624

Background



This preview shows how black text looks on a background with the XYZ color 38.2661, 40.7018, 22.3624.



This preview shows how white text looks on a background with the XYZ color 38.2661, 40.7018,

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

38.2661, 40.7018, 22.3624

Protanopia

37.7229, 40.7011, 22.3909

Deuteranopia

41.3882, 40.6726, 22.4988



Tritanopia

43.0832, 40.7589, 46.1540

Trichromacy



Original Color

38.2661, 40.7018, 22.3624

Protanomaly

37.9650, 40.8259, 22.4022

Deuteranomaly

40.1358, 40.5626, 22.5436

Tritanomaly

41.2072, 40.8120, 36.2775

Monochromacy



Original Color

38.2661, 40.7018, 22.3624

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.5975, 39.8080, 34.5563

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2661, 40.7018, 22.3624 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, 170, 116)` looks like.

```
.text, #text, p{  
    color:rgb(188, 170, 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(188, 170, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 170, 116) }
```

Border

The CSS property to change the border of an element to XYZ 38.2661, 40.7018, 22.3624 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, 170, 116) }
```


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

```
.border{ border-color:rgb(188, 170, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 170, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 170, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 170, 116);  
box-shadow:4px 4px 4px 4px rgb(188, 170,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2661, 40.7018, 22.3624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 170, 116) }
```

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

```
.background{ background-color: rgb(188,  
170, 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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