

Converting Colors

XYZ(38.8029, 42.6730, 23.3311)

Have a look what the booklet for
XYZ(38.8029, 42.6730, 23.3311)
contains.

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Color

**XYZ(38.8029, 42.6730,
23.3311)**

Conversions

Conversions Part 1

Format	Color
Hex	B9B076
RGB	185, 176, 118
RGB Percent	73%, 69%, 46%
CMY	0.2745, 0.3098, 0.5372
CMYK	0.00, 0.05, 0.36, 0.27
HSL	52°, 32%, 59%
HSV	52°, 36%, 73%
XYZ	38.8029, 42.6730, 23.3311
YIQ	172.0790, 23.9820, -16.1300

Conversions

Conversions Part 2

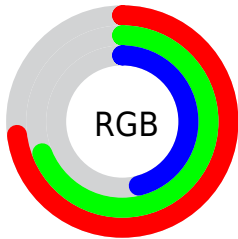
Format	Color
R_YB	128, 185, 118
Decimal	12169334
CIELab	71.33, -5.51, 30.89
CIElCh	71, 31.381, 100.121
Yxy	42.6730, 0.3702, 0.4072
Android (android.graphics.Color)	4290359414 (0xFFB9B076)
YUV	172.0790, -26.6609, 11.3317
Hunter-Lab	65.3246, -8.2887, 24.5514

Details

The XYZ color **38.8029, 42.6730, 23.3311** is a light color, and the websafe version is hex **999966**. A complement of this color would be **23.8173, 22.5323, 48.9927**, and the grayscale version is **39.3758, 41.4264, 45.1134**.

A 20% lighter version of the original color is **72.5445, 78.9693, 49.9472**, and **17.6419, 19.6703, 8.4971** is the 20% darker color. If you saturate the color by 10%, you get **37.3275, 41.3122, 17.9372**, and if you desaturate by 10%, it is **40.5050, 44.1418, 29.8653**.

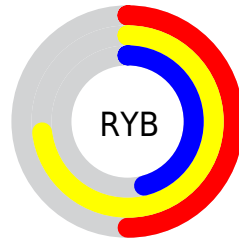
Distribution



Red (73%)

Green (69%)

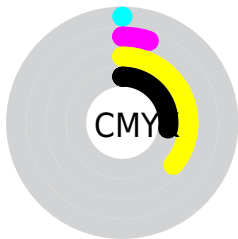
Blue (46%)



Red (50%)

Yellow (73%)

Blue (46%)

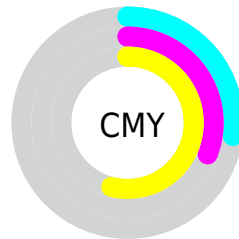


Cyan (0%)

Magenta (5%)

Yellow (36%)

Black (27%)



Cyan (27%)


Magenta (31%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.8029, 42.6730, 23.3311 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 38.8029, 42.6730, 23.3311 by changing the saturation by 10% instead.


 38.8029, 42.6730,
23.3311


 38.8029, 42.6730,
23.3311


332.2734,
357.2653, 282.5979


 26.7865, 29.6286,
14.6306

 72.6331, 79.2172,
49.8665

 17.5487, 19.5569,
8.4168


 95.1776, 103.4858,
68.5384

 10.7242, 12.0734,
4.2712


 121.9622,
132.2646, 91.3713

 5.9476, 6.7937,
1.7753

153.3522,
165.9379, 118.7836

 2.8536, 3.3334,
0.4116

189.7129,
204.8903, 151.1938

 1.0768, 1.3082,
0.0000

231.4098,

 0.0056, 0.1475,

249.5060, 189.0206

0.0000

278.8082,
300.1696, 232.6825

■ 0.0000, 0.0000,
0.0000

■ 38.8029, 42.6730,
23.3311

■ 38.8029, 42.6730,
23.3311

■ 37.3275, 41.3122,
17.9372

■ 40.5050, 44.1418,
29.8653

■ 36.0628, 40.0484,
13.6143

■ 42.4423, 45.7174,
37.5985

■ 34.9960, 38.8778,
10.2896

■ 44.6267, 47.4063,
46.5884

■ 34.1112, 37.7941,
7.8802

■ 47.0684, 49.2126,
56.8883

■ 33.3900, 36.7898,
6.2896

■ 49.7768, 51.1401,
68.5485

■ 32.8087, 35.8553,
5.3926

■ 52.7612, 53.1926,
81.6163

■ 32.6066, 35.5124,
5.1360

■ 56.0300, 55.3736,
96.1371

■ 57.7692, 56.9575,
102.5569

■ 58.3336, 58.0864,
102.7450

Harmonies

Analogous

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



44.1074, 42.6730, 24.1485



38.8029, 42.6730, 23.3311



34.3676, 42.6730, 27.6011

Triad

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



38.8029, 42.6730, 23.3311



33.2866, 42.6730, 67.8108



50.8661, 42.6730, 57.0587

Complementary

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



38.8029, 42.6730, 23.3311



23.8173, 22.5323, 48.9927

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.



47.4535, 42.6730, 72.4071



38.8029, 42.6730, 23.3311



37.2070, 42.6730, 79.4878

Square

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



38.8029, 42.6730, 23.3311



31.3706, 42.6730, 51.7578



42.3681, 42.6730, 81.3315



51.3873, 42.6730, 41.5434

Rectangle

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



38.8029, 42.6730, 23.3311



32.3844, 42.6730, 33.4418



42.3681, 42.6730, 81.3315



50.0059, 42.6730, 62.4907

Sweetspot

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



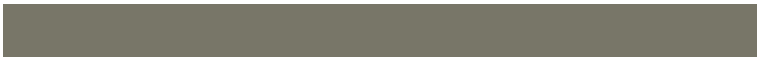
38.8040, 42.6749, 23.3320



77.9276, 83.3770, 75.1588



30.3858, 24.8314, 23.6313



16.6873, 17.8873, 15.7417



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.8040, 42.6749, 23.3320



67.4811, 74.5862, 34.3676



35.4282, 43.6403, 23.6962



9.6446, 10.2921, 9.5852



22.2409, 24.2582, 3.5101



0.8128, 0.9126, 0.1333

Inverse Universe

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



23.8173, 22.5323, 48.9927



36.9204, 33.5224, 86.7292



26.2969, 22.1624, 48.7906



8.6158, 8.9087, 11.3449



6.2287, 2.9171, 31.4878



0.2511, 0.1658, 1.1205

Previews

White Background



This preview shows how the XYZ color 38.8029, 42.6730, 23.3311 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 38.8029, 42.6730, 23.3311 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 38.8029, 42.6730, 23.3311

Background



This preview shows how black text looks on a background with the XYZ color 38.8029, 42.6730, 23.3311.



This preview shows how white text looks on a background with the XYZ color 38.8029, 42.6730,

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

38.8029, 42.6730, 23.3311

Protanopia

39.5271, 42.7631, 23.0004

Deuteranopia

43.5034, 42.5488, 23.6892



Tritanopia

44.0813, 42.5479, 49.6053

Trichromacy



Original Color

38.8029, 42.6730, 23.3311

Protanomaly

39.2799, 42.6357, 22.9889

Deuteranomaly

41.5239, 42.3607, 23.4407

Tritanomaly

41.7207, 42.4133, 38.3354

Monochromacy



Original Color

38.8029, 42.6730, 23.3311

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

38.7425, 41.5013, 35.6744

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8029, 42.6730, 23.3311 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(185, 176, 118)` looks like.

```
.text, #text, p{  
    color:rgb(185, 176, 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(185, 176, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 176, 118) }
```

Border

The CSS property to change the border of an element to XYZ 38.8029, 42.6730, 23.3311 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(185, 176, 118) }
```


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

```
.border{ border-color:rgb(185, 176, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 176, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 176, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 176, 118);  
box-shadow:4px 4px 4px 4px rgb(185, 176,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8029, 42.6730, 23.3311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 176, 118) }
```

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

```
.background{ background-color: rgb(185,  
176, 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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