

Converting Colors

XYZ(36.8698, 37.9897, 22.8423)

Have a look what the booklet for
XYZ(36.8698, 37.9897, 22.8423)
contains.

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Color

**XYZ(36.9205, 38.0911,
22.8592)**

Conversions

Conversions Part 1

Format	Color
Hex	BBA377
RGB	187, 163, 119
RGB Percent	73%, 64%, 47%
CMY	0.2667, 0.3608, 0.5333
CMYK	0.00, 0.13, 0.36, 0.27
HSL	39°, 33%, 60%
HSV	39°, 36%, 73%
XYZ	36.9205, 38.0911, 22.8592
YIQ	165.1600, 28.4280, -8.5960

Conversions

Conversions Part 2

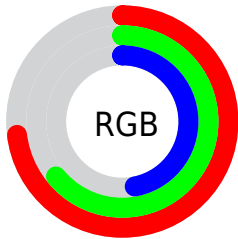
Format	Color
R_{YB}	156, 187, 119
Decimal	12297079
CIE Lab	68.09, 2.37, 26.11
CIE LCh	68, 26.219, 84.805
Yxy	38.0911, 0.3772, 0.3892
Android (android.graphics.Color)	4290487159 (0xFFBBA377)
YUV	165.1600, -22.7569, 19.1537
Hunter-Lab	61.7180, -1.2255, 21.2427

Details

The XYZ color **36.9205, 38.0911, 22.8592** is a light color, and the websafe version is hex **999966**. A complement of this color would be **26.3996, 27.1539, 50.8636**, and the grayscale version is **35.9380, 37.8096, 41.1747**.

A 20% lighter version of the original color is **69.8260, 72.3545, 49.3153**, and **16.4628, 16.7976, 8.1689** is the 20% darker color. If you saturate the color by 10%, you get **34.7651, 35.4042, 17.1347**, and if you desaturate by 10%, it is **39.3599, 40.9922, 29.7695**.

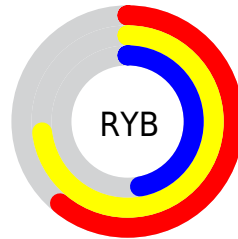
Distribution



Red (73%)

Green (64%)

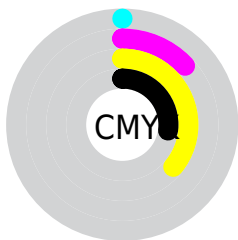
Blue (47%)



Red (61%)

Yellow (73%)

Blue (47%)

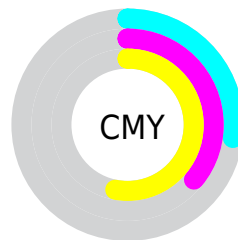


Cyan (0%)

Magenta (13%)

Yellow (36%)

Black (27%)



Cyan (27%)


Magenta (36%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9205, 38.0911, 22.8592 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 36.9205, 38.0911, 22.8592 by changing the saturation by 10% instead.


 36.9205, 38.0911,
22.8592


 36.9205, 38.0911,
22.8592


324.3277,
338.0106, 280.0994


 25.3193, 26.0534,
14.2853


 69.7651, 72.2477,
49.0823

 16.4451, 16.8636,
8.1783


 91.7393, 95.1355,
67.5685

 9.9325, 10.1373,
4.1199


 117.9018,
122.4087, 90.1959

 5.4162, 5.4901,
1.6913

148.6181,
154.4518, 117.3830

 2.5307, 2.5376,
0.3548

184.2535,
191.6491, 149.5484

 0.9108, 0.8954,
0.0000

225.1733,

 0.0000, 0.0000,

234.3851, 187.1106

0.0000

271.7429,
283.0441, 230.4881

■ 36.9205, 38.0911,
22.8592

■ 36.9205, 38.0911,
22.8592

■ 34.7651, 35.4042,
17.1347

■ 39.3599, 40.9922,
29.7695

■ 32.8770, 32.9192,
12.5246

■ 42.0934, 44.1089,
37.9264

■ 31.2418, 30.6301,
8.9538

■ 45.1339, 47.4490,
47.3896

■ 29.8422, 28.5287,
6.3365

■ 48.4927, 51.0186,
58.2140

■ 28.6585, 26.6053,
4.5732

■ 52.1803, 54.8231,
70.4514

■ 27.6649, 24.8480,
3.5334

■ 56.2070, 58.8679,
84.1510

■ 27.3323, 24.2424,
3.2387

■ 60.5822, 63.1583,
99.3595

■ 63.0471, 66.7919,
104.1769

■ 64.7697, 70.2371,
104.7511

Harmonies

Analogous

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



40.9243, 38.0911, 25.6701



36.9205, 38.0911, 22.8592



33.0072, 38.0911, 24.2187

Triad

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



36.9205, 38.0911, 22.8592



29.5305, 38.0911, 51.6493



43.0121, 38.0911, 55.8425

Complementary

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



36.9205, 38.0911, 22.8592



26.3996, 27.1539, 50.8636

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.



39.6017, 38.0911, 65.4369



36.9205, 38.0911, 22.8592



31.8622, 38.0911, 62.7144

Square

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



36.9205, 38.0911, 22.8592



28.9300, 38.0911, 39.4706



35.4977, 38.0911, 68.1622



44.6063, 38.0911, 43.5456

Rectangle

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



36.9205, 38.0911, 22.8592



30.9451, 38.0911, 27.4706



35.4977, 38.0911, 68.1622



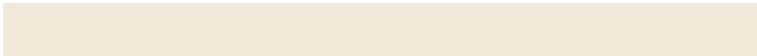
42.0283, 38.0911, 59.5759

Sweetspot

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



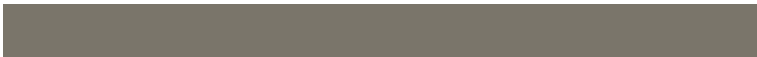
36.9215, 38.0929, 22.8600



78.1427, 82.0499, 76.4153



32.1196, 25.7705, 29.6406



17.0460, 17.8902, 16.3238



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.



36.9215, 38.0929, 22.8600



62.8681, 64.1784, 32.2402



39.4451, 46.3298, 24.3169



10.0312, 10.5384, 10.0821



18.9021, 16.8430, 2.2548



0.7998, 0.7785, 0.1081

Inverse Universe

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



26.3996, 27.1539, 50.8636



41.1589, 41.6238, 90.0663



24.4790, 21.3764, 49.8496



9.2845, 9.7614, 12.0670



7.5842, 5.2801, 33.0123



0.3595, 0.3316, 1.3139

Previews

White Background



This preview shows how the XYZ color 36.9205, 38.0911, 22.8592 looks on a white background.

Color Contrast Check

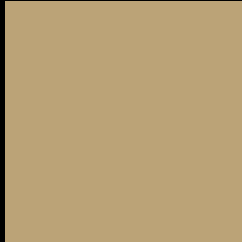
Large Text (above 18pt) WCAG AA × Fail

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 36.9205, 38.0911, 22.8592 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

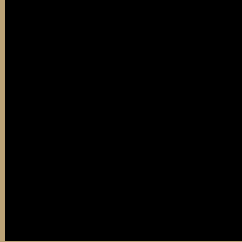
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.9205, 38.0911, 22.8592

Background



This preview shows how black text looks on a background with the XYZ color 36.9205, 38.0911, 22.8592.



This preview shows how white text looks on a background with the XYZ color 36.9205, 38.0911,

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

36.9205, 38.0911, 22.8592

Protanopia

35.6168, 38.2122, 23.2678

Deuteranopia

38.8143, 38.0227, 23.0627



Tritanopia

40.9566, 38.1850, 42.7479

Trichromacy



Original Color

36.9205, 38.0911, 22.8592

Protanomaly

36.1367, 38.2114, 23.2402

Deuteranomaly

37.9533, 37.8351, 23.0719

Tritanomaly

39.2193, 37.9778, 34.5415

Monochromacy



Original Color

36.9205, 38.0911, 22.8592

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 36.9205, 38.0911, 22.8592 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(187, 163, 119)` looks like.

```
.text, #text, p{  
    color:rgb(187, 163, 119)  
}
```

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(187, 163, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 163, 119) }
```

Border

The CSS property to change the border of an element to XYZ 36.9205, 38.0911, 22.8592 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(187, 163, 119) }
```


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

```
.border{ border-color:rgb(187, 163, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 163, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 163, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 163, 119);  
box-shadow:4px 4px 4px 4px rgb(187, 163,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9205, 38.0911, 22.8592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 163, 119) }
```

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

```
.background{ background-color: rgb(187,  
163, 119) }
```

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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