

Converting Colors

XYZ(38.6697, 38.4461, 22.3580)

Have a look what the booklet for
XYZ(38.6697, 38.4461, 22.3580)
contains.

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Color

**XYZ(38.7207, 38.5099,
22.2220)**

Conversions

Conversions Part 1

Format	Color
Hex	C4A175
RGB	196, 161, 117
RGB Percent	77%, 63%, 46%
CMY	0.2314, 0.3686, 0.5412
CMYK	0.00, 0.18, 0.40, 0.23
HSL	33°, 40%, 61%
HSV	33°, 40%, 77%
XYZ	38.7207, 38.5099, 22.2220
YIQ	166.4490, 34.9840, -6.2640

Conversions

Conversions Part 2

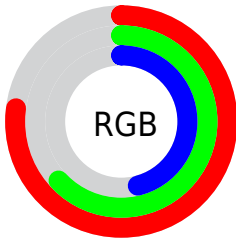
Format	Color
RYB	180, 196, 117
Decimal	12886389
CIELab	68.39, 6.89, 27.76
CIELCh	68, 28.597, 76.067
Yxy	38.5099, 0.3893, 0.3872
Android (android.graphics.Color)	4291076469 (0xFFC4A175)
YUV	166.4490, -24.3784, 25.9162
Hunter-Lab	62.0563, 2.7783, 22.2081

Details

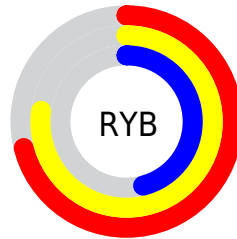
The XYZ color **38.7207, 38.5099, 22.2220** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **28.5277, 30.2227, 56.5544**, and the grayscale version is **36.5663, 38.4706, 41.8945**.

A 20% lighter version of the original color is **72.5903, 73.0471, 47.8097**, and **17.6038, 17.2319, 7.8671** is the 20% darker color. If you saturate the color by 10%, you get **36.2221, 35.1678, 16.2867**, and if you desaturate by 10%, it is **41.5680, 42.1629, 29.4648**.

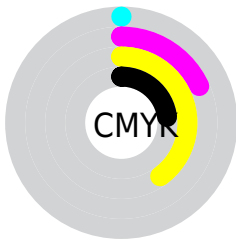
Distribution



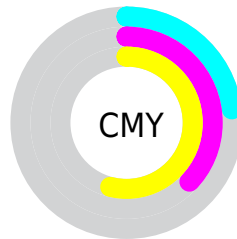
- Red (77%)
- Green (63%)
- Blue (46%)



- Red (71%)
- Yellow (77%)
- Blue (46%)



- Cyan (0%)
- Magenta (18%)
- Yellow (40%)
- Black (23%)



- Cyan (23%)
- Magenta (37%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7207, 38.5099, 22.2220 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 38.7207, 38.5099, 22.2220 by changing the saturation by 10% instead.

■ 38.7207, 38.5099,
22.2220

■ 38.7207, 38.5099,
22.2220

331.9292,
339.8023, 276.6947

■ 26.7223, 26.3787,
13.8202

■ 72.5083, 72.8890,
48.0195

■ 17.5003, 17.1071,
7.8584

■ 95.0281, 95.9057,
66.2524

■ 10.6893, 10.3109,
3.9180

■ 121.7858,
123.3196, 88.5993

■ 5.9241, 5.6056,
1.5805

153.1466,
155.5153, 115.4789

■ 2.8392, 2.6068,
0.2768

189.4761,
192.8769, 147.3097

■ 1.0693, 0.9301,
0.0000

231.1394,

■ 0.0000, 0.0000,

235.7891, 184.5103

0.0000

278.5020,
284.6360, 227.4991

■ 38.7207, 38.5099,
22.2220

■ 38.7207, 38.5099,
22.2220

■ 36.2221, 35.1678,
16.2867

■ 41.5680, 42.1629,
29.4648

■ 34.0518, 32.1207,
11.5757

■ 44.7769, 46.1311,
38.0863

■ 32.1919, 29.3596,
8.0002

■ 48.3632, 50.4254,
48.1555

■ 30.6207, 26.8719,
5.4580

■ 52.3408, 55.0544,
59.7360

■ 29.3131, 24.6441,
3.8280

■ 56.7230, 60.0264,
72.8876

■ 28.2523, 22.7106,
2.8945

■ 61.5220, 65.3495,
87.6669

■ 66.7500, 71.0312,
104.1275

■ 69.2411, 75.8081,
105.5908

■ 71.7243, 80.7746,
106.4185

Harmonies

Analogous

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



42.9244, 38.5099, 26.5281



38.7207, 38.5099, 22.2220



34.2651, 38.5099, 22.3784

Triad

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



38.7207, 38.5099, 22.2220



28.9183, 38.5099, 49.1515



43.1775, 38.5099, 61.5287

Complementary

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



38.7207, 38.5099, 22.2220



28.5277, 30.2227, 56.5544

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.



39.0439, 38.5099, 70.4562



38.7207, 38.5099, 22.2220



30.9340, 38.5099, 62.3729

Square

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



38.7207, 38.5099, 22.2220



28.8473, 38.5099, 36.2551



34.5630, 38.5099, 70.7934



45.6363, 38.5099, 48.1699

Rectangle

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



38.7207, 38.5099, 22.2220



31.7521, 38.5099, 24.9536



34.5630, 38.5099, 70.7934



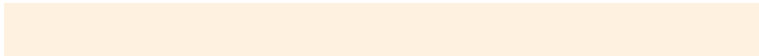
41.9233, 38.5099, 65.2572

Sweetspot

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



38.7217, 38.5117, 22.2228



86.3360, 89.8378, 83.5958



34.8391, 26.7438, 33.2687



18.2901, 19.0039, 17.3563



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.



38.7217, 38.5117, 22.2228



66.2813, 64.6129, 31.0238



44.7017, 51.9771, 24.5067



10.5280, 10.9874, 10.6278



18.2404, 14.7666, 1.8889



0.8559, 0.7737, 0.1042

Inverse Universe

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



28.5277, 30.2227, 56.5544



45.3921, 47.6386, 101.4105



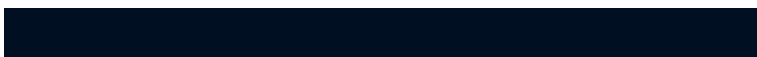
24.2036, 20.7699, 54.9577



9.8873, 10.4659, 12.7838



8.6659, 7.0883, 34.4681



0.4430, 0.4435, 1.5121

Previews

White Background



This preview shows how the XYZ color 38.7207, 38.5099, 22.2220 looks on a white background.

Color Contrast Check

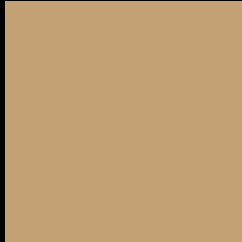
Large Text (above 18pt) WCAG AA × Fail

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 38.7207, 38.5099, 22.2220 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 38.7207, 38.5099, 22.2220

Background



This preview shows how black text looks on a background with the XYZ color 38.7207, 38.5099, 22.2220.



This preview shows how white text looks on a background with the XYZ color 38.7207, 38.5099,

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

38.7207, 38.5099, 22.2220

Protanopia

35.9709, 38.6726, 23.0215

Deuteranopia

39.3349, 38.5681, 22.2008



Tritanopia

42.6917, 38.6134, 41.2794

Trichromacy



Original Color

38.7207, 38.5099, 22.2220

Protanomaly

36.9748, 38.6574, 22.6524

Deuteranomaly

39.0704, 38.4317, 22.1885

Tritanomaly

40.9555, 38.3942, 33.2692

Monochromacy



Original Color

38.7207, 38.5099, 22.2220

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

36.7522, 38.0361, 33.4216

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7207, 38.5099, 22.2220 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, 161, 117)` looks like.

```
.text, #text, p{  
    color:rgb(196, 161, 117)  
}
```

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, 161, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 161, 117) }
```

Border

The CSS property to change the border of an element to XYZ 38.7207, 38.5099, 22.2220 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, 161, 117) }
```


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

```
.border{ border-color:rgb(196, 161, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 161, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 161, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 161, 117);  
box-shadow:4px 4px 4px 4px rgb(196, 161,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7207, 38.5099, 22.2220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 161, 117) }
```

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

```
.background{ background-color: rgb(196,  
161, 117) }
```

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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