

Converting Colors

XYZ(37.7709, 39.4104, 17.9205)

Have a look what the booklet for
XYZ(37.7709, 39.4104, 17.9205)
contains.

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Color

**XYZ(37.7234, 39.4185,
17.9322)**

Conversions

Conversions Part 1

Format	Color
Hex	C0A665
RGB	192, 166, 101
RGB Percent	75%, 65%, 40%
CMY	0.2471, 0.3490, 0.6039
CMYK	0.00, 0.14, 0.47, 0.25
HSL	43°, 42%, 57%
HSV	43°, 47%, 75%
XYZ	37.7234, 39.4185, 17.9322
YIQ	166.3640, 36.3610, -14.7030

Conversions

Conversions Part 2

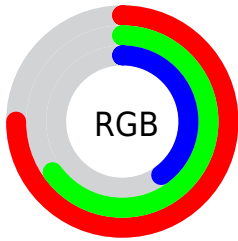
Format	Color
RYB	137, 192, 101
Decimal	12625509
CIELab	69.05, 0.84, 37.02
CIElCh	69, 37.025, 88.704
Yxy	39.4185, 0.3968, 0.4146
Android (android.graphics.Color)	4290815589 (0xFFC0A665)
YUV	166.3640, -32.2245, 22.4828
Hunter-Lab	62.7842, -2.6218, 27.0147

Details

The XYZ color **37.7234, 39.4185, 17.9322** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **22.4703, 21.7504, 52.8829**, and the grayscale version is **36.5614, 38.4655, 41.8889**.

A 20% lighter version of the original color is **71.0306, 74.3368, 40.7417**, and **16.9537, 17.6009, 5.7526** is the 20% darker color. If you saturate the color by 10%, you get **35.9148, 37.1351, 13.2180**, and if you desaturate by 10%, it is **39.7962, 41.8786, 23.8195**.

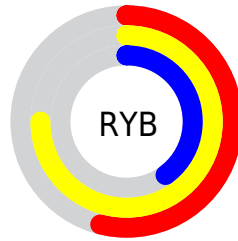
Distribution



Red (75%)

Green (65%)

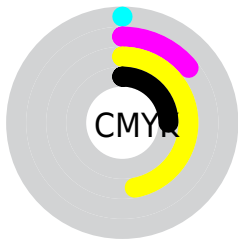
Blue (40%)



Red (54%)

Yellow (75%)

Blue (40%)

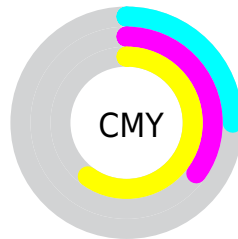


Cyan (0%)

Magenta (14%)

Yellow (47%)

Black (25%)



Cyan (25%)

Magenta (35%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7234, 39.4185, 17.9322 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 37.7234, 39.4185, 17.9322 by changing the saturation by 10% instead.

■ 37.7234, 39.4185,
17.9322

■ 37.7234, 39.4185,
17.9322

327.7333,
343.6665, 252.7119

■ 25.9443, 27.0854,
10.7324

■ 70.9906, 74.2772,
40.7341

■ 16.9145, 17.6374,
5.7753

■ 93.2095, 97.5717,
57.1733

■ 10.2684, 10.6900,
2.6424

■ 119.6390,
125.2887, 77.5294

■ 5.6409, 5.8588,
0.9142

■ 150.6444,
157.8127, 102.2209

■ 2.6666, 2.7594,
0.0000

186.5913,
195.5281, 131.6664

■ 0.9800, 1.0074,
0.0000

227.8448,

■ 0.0000, 0.0000,

238.8193, 166.2843

0.0000

274.7704,
288.0706, 206.4933

■ 37.7234, 39.4185,
17.9322

■ 37.7234, 39.4185,
17.9322

■ 35.9148, 37.1351,
13.2180

■ 39.7962, 41.8786,
23.8195

■ 34.3516, 35.0155,
9.5926

■ 42.1449, 44.5165,
30.9516

■ 33.0165, 33.0535,
6.9642


■ 44.7838, 47.3401,
39.3972


■ 31.8884, 31.2398,
5.2244


■ 47.7254, 50.3553,
49.2193


■ 30.9377, 29.5617,
4.2190


■ 50.9813, 53.5674,
60.4769

 30.7055, 29.1412,
4.0065

 54.5624, 56.9817,
73.2254

 58.4793, 60.6030,
87.5172

 62.7417, 64.4361,
103.4024

 64.1823, 67.2146,
104.1987

Harmonies

Analogous

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



43.6775, 39.4185, 20.7028



37.7234, 39.4185, 17.9322



32.2743, 39.4185, 20.2539

Triad

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



37.7234, 39.4185, 17.9322



28.3655, 39.4185, 60.5041



48.0271, 39.4185, 62.1193

Complementary

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



37.7234, 39.4185, 17.9322



22.4703, 21.7504, 52.8829

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.



43.1868, 39.4185, 78.2158



37.7234, 39.4185, 17.9322



31.8734, 39.4185, 77.1240

Square

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



37.7234, 39.4185, 17.9322



27.2248, 39.4185, 42.1890



37.2100, 39.4185, 84.3160



49.9991, 39.4185, 43.6595

Rectangle

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



37.7234, 39.4185, 17.9322



29.5683, 39.4185, 24.8416



37.2100, 39.4185, 84.3160



46.6581, 39.4185, 68.1484

Sweetspot

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



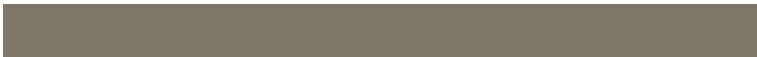
37.7244, 39.4204, 17.9330



82.7756, 87.4722, 76.7531



30.3082, 22.0806, 23.1907



17.5169, 18.5154, 15.6698



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



37.7244, 39.4204, 17.9330



64.9184, 67.0805, 23.5626



38.6097, 47.6145, 19.4680



10.6625, 11.2563, 10.6726



20.7307, 19.7472, 2.7190



0.9521, 0.9660, 0.1363

Inverse Universe

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



22.4703, 21.7504, 52.8829



33.9712, 31.2762, 94.6067



21.8037, 17.0497, 52.0107



9.7574, 10.2062, 12.7405



7.3750, 4.5064, 34.0377



0.3794, 0.3162, 1.4909

Previews

White Background



This preview shows how the XYZ color 37.7234, 39.4185, 17.9322 looks on a white background.

Color Contrast Check

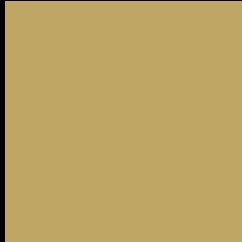
Large Text (above 18pt) WCAG AA × Fail

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 37.7234, 39.4185, 17.9322 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 37.7234, 39.4185, 17.9322

Background



This preview shows how black text looks on a background with the XYZ color 37.7234, 39.4185, 17.9322.



This preview shows how white text looks on a background with the XYZ color 37.7234, 39.4185,

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

37.7234, 39.4185, 17.9322

Protanopia

36.3534, 39.5256, 18.2835

Deuteranopia

40.0450, 39.2864, 18.0428



Tritanopia

43.0357, 39.4981, 43.3859

Trichromacy



Original Color

37.7234, 39.4185, 17.9322

Protanomaly

36.8944, 39.5294, 18.2558

Deuteranomaly

39.3149, 39.4331, 18.1096

Tritanomaly

40.6207, 39.2698, 32.2270

Monochromacy



Original Color

37.7234, 39.4185, 17.9322

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

36.1979, 38.3394, 31.0836

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7234, 39.4185, 17.9322 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(192, 166, 101)` looks like.

```
.text, #text, p{  
    color:rgb(192, 166, 101)  
}
```

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(192, 166, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 166, 101) }
```

Border

The CSS property to change the border of an element to XYZ 37.7234, 39.4185, 17.9322 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(192, 166, 101) }
```


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

```
.border{ border-color:rgb(192, 166, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 166, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 166, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 166, 101);  
box-shadow:4px 4px 4px 4px rgb(192, 166,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7234, 39.4185, 17.9322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 166, 101) }
```

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

```
.background{ background-color: rgb(192,  
166, 101) }
```

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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