

Converting Colors

XYZ(40.2211, 39.6722, 21.7521)

Have a look what the booklet for
XYZ(40.2211, 39.6722, 21.7521)
contains.

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Color

**XYZ(40.1022, 39.4960,
21.7295)**

Conversions

Conversions Part 1

Format	Color
Hex	C9A273
RGB	201, 162, 115
RGB Percent	79%, 64%, 45%
CMY	0.2118, 0.3647, 0.5490
CMYK	0.00, 0.19, 0.43, 0.21
HSL	33°, 44%, 62%
HSV	33°, 43%, 79%
XYZ	40.1022, 39.4960, 21.7295
YIQ	168.3030, 38.3310, -6.3490

Conversions

Conversions Part 2

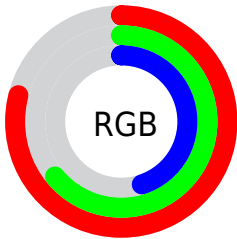
Format	Color
RYB	186, 201, 115
Decimal	13214323
CIELab	69.11, 8.16, 29.86
CIELCh	69, 30.959, 74.710
Yxy	39.4960, 0.3958, 0.3898
Android (android.graphics.Color)	4291404403 (0xFFC9A273)
YUV	168.3030, -26.2784, 28.6753
Hunter-Lab	62.8458, 3.9214, 23.4921

Details

The XYZ color **40.1022, 39.4960, 21.7295** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **29.1679, 30.9718, 59.6990**, and the grayscale version is **37.4812, 39.4331, 42.9427**.

A 20% lighter version of the original color is **73.0279, 73.6757, 46.9311**, and **18.2364, 17.5650, 7.5835** is the 20% darker color. If you saturate the color by 10%, you get **37.5219, 35.9888, 15.7719**, and if you desaturate by 10%, it is **43.0531, 43.3405, 29.0556**.

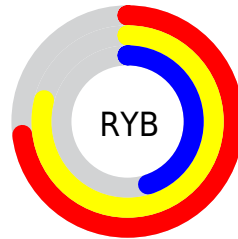
Distribution



Red (79%)

Green (64%)

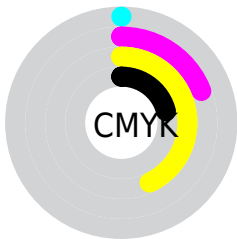
Blue (45%)



Red (73%)

Yellow (79%)

Blue (45%)

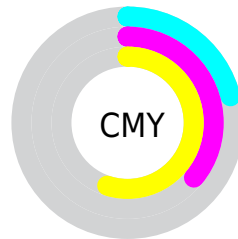


Cyan (0%)

Magenta (19%)

Yellow (43%)

Black (21%)



Cyan (21%)

Magenta (36%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1022, 39.4960, 21.7295 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 40.1022, 39.4960, 21.7295 by changing the saturation by 10% instead.

■ 40.1022, 39.4960,
21.7295

■ 40.1022, 39.4960,
21.7295

337.6812,
343.9947, 274.0377

■ 27.8028, 27.1458,
13.4619

■ 74.6025, 74.3954,
47.1950

■ 18.3168, 17.6828,
7.6129

■ 97.5340, 97.7134,
65.2298

■ 11.2787, 10.7225,
3.7641

■ 124.7404,
125.4562, 87.3576

■ 6.3233, 5.8805,
1.4968

156.5869,
158.0081, 113.9967

■ 3.0852, 2.7726,
0.2156

193.4388,
195.7535, 145.5657

■ 1.1990, 1.0142,
0.0000

235.6616,

■ 0.1055, 0.0000,

239.0768, 182.4832

0.0000

283.6206,
288.3624, 225.1676

■ 0.0000, 0.0000,
0.0000

■ 40.1022, 39.4960,
21.7295

■ 40.1022, 39.4960,
21.7295

■ 37.5219, 35.9888,
15.7719

■ 43.0531, 43.3405,
29.0556

■ 35.2901, 32.8019,
11.0925

■ 46.3890, 47.5276,
37.8279

■ 33.3869, 29.9247,
7.5934

■ 50.1272, 52.0692,
48.1212

■ 31.7882, 27.3432,
5.1616

■ 54.2827, 56.9751,
60.0043

■ 30.4657, 25.0420,
3.6614

■ 58.8700, 62.2544,
73.5418

■ 29.6482, 23.5392,
2.9809

■ 63.9025, 67.9160,
88.7946

■ 69.2801, 73.9231,
105.2249

■ 71.8219, 79.0066,
106.0721

■ 74.4973, 84.3574,
106.9639

Harmonies

Analogous

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



44.7073, 39.4960, 26.5568



40.1022, 39.4960, 21.7295



35.1777, 39.4960, 21.6843

Triad

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



40.1022, 39.4960, 21.7295



29.0770, 39.4960, 50.2932



44.6310, 39.4960, 65.3938

Complementary

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



40.1022, 39.4960, 21.7295



29.1679, 30.9718, 59.6990

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.



40.0053, 39.4960, 75.0694



40.1022, 39.4960, 21.7295



31.1824, 39.4960, 65.1368

Square

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



40.1022, 39.4960, 21.7295



29.0980, 39.4960, 36.2187



35.0889, 39.4960, 74.9662



47.4741, 39.4960, 50.5889

Rectangle

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



40.1022, 39.4960, 21.7295



32.3837, 39.4960, 24.2854



35.0889, 39.4960, 74.9662



43.2159, 39.4960, 69.4848

Sweetspot

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



40.1032, 39.4979, 21.7303



85.5556, 88.8277, 81.6381



36.1459, 27.0503, 34.3855



17.9941, 18.6300, 16.5851



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.



40.1032, 39.4979, 21.7303



64.6855, 62.2334, 27.9882



47.3049, 55.0348, 24.3497



11.1062, 11.5816, 11.2129



18.7343, 14.9858, 1.9051



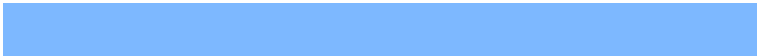
0.9588, 0.8530, 0.1141

Inverse Universe

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



29.1679, 30.9718, 59.6990



43.6238, 45.8234, 101.1533



24.1268, 20.3212, 57.9089



10.4461, 11.0664, 13.5029



9.0776, 7.5491, 35.7230



0.5020, 0.5017, 1.7155

Previews

White Background



This preview shows how the XYZ color 40.1022, 39.4960, 21.7295 looks on a white background.

Color Contrast Check

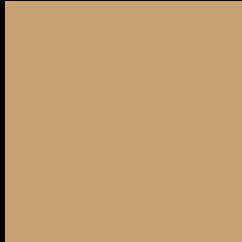
Large Text (above 18pt) WCAG AA × Fail

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 40.1022, 39.4960, 21.7295 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

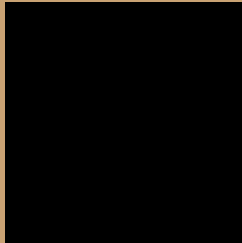
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.1022, 39.4960, 21.7295

Background



This preview shows how black text looks on a background with the XYZ color 40.1022, 39.4960, 21.7295.



This preview shows how white text looks on a background with the XYZ color 40.1022, 39.4960,

21.7295.

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

40.1022, 39.4960, 21.7295

Protanopia

36.7494, 39.6290, 22.8518

Deuteranopia

40.3720, 39.6350, 21.7421



Tritanopia

44.1500, 39.3545, 41.8284

Trichromacy



Original Color

40.1022, 39.4960, 21.7295

Protanomaly

37.8334, 39.3756, 22.4358

Deuteranomaly

40.3720, 39.6350, 21.7421

Tritanomaly

42.4740, 39.4292, 33.3889

Monochromacy



Original Color

40.1022, 39.4960, 21.7295

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.8834, 39.1457, 33.9930

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1022, 39.4960, 21.7295 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(201, 162, 115)` looks like.

```
.text, #text, p{  
    color:rgb(201, 162, 115)  
}
```

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(201, 162, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 162, 115) }
```

Border

The CSS property to change the border of an element to XYZ 40.1022, 39.4960, 21.7295 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(201, 162, 115) }
```


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

```
.border{ border-color:rgb(201, 162, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 162, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 162, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 162, 115);  
box-shadow:4px 4px 4px 4px rgb(201, 162,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1022, 39.4960, 21.7295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 162, 115) }
```

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

```
.background{ background-color: rgb(201,  
162, 115) }
```

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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