

Converting Colors

XYZ(40.8931, 40.0765, 21.3021)

Have a look what the booklet for
XYZ(40.8931, 40.0765, 21.3021)
contains.

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Color

**XYZ(40.9797, 40.2240,
21.2269)**

Conversions

Conversions Part 1

Format	Color
Hex	CCA371
RGB	204, 163, 113
RGB Percent	80%, 64%, 44%
CMY	0.2000, 0.3608, 0.5569
CMYK	0.00, 0.20, 0.45, 0.20
HSL	33°, 47%, 62%
HSV	33°, 45%, 80%
XYZ	40.9797, 40.2240, 21.2269
YIQ	169.5590, 40.4860, -6.8580

Conversions

Conversions Part 2

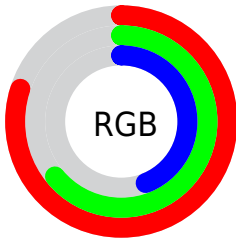
Format	Color
RYB	188, 204, 113
Decimal	13411185
CIELab	69.63, 8.64, 31.67
CIELCh	70, 32.825, 74.740
Yxy	40.2240, 0.4001, 0.3927
Android (android.graphics.Color)	4291601265 (0xFFCCA371)
YUV	169.5590, -27.8836, 30.2048
Hunter-Lab	63.4224, 4.3467, 24.5519

Details

The XYZ color **40.9797, 40.2240, 21.2269** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **29.2643, 30.9804, 61.5642**, and the grayscale version is **38.1100, 40.0947, 43.6632**.

A 20% lighter version of the original color is **73.1029, 74.1194, 46.0508**, and **18.8226, 18.0349, 7.3395** is the 20% darker color. If you saturate the color by 10%, you get **38.3851, 36.6708, 15.3187**, and if you desaturate by 10%, it is **43.9530, 44.1214, 28.5358**.

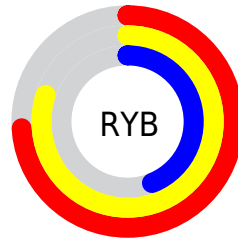
Distribution



Red (80%)

Green (64%)

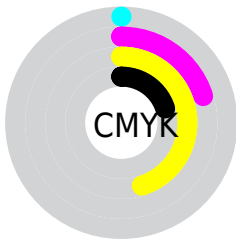
Blue (44%)



Red (74%)

Yellow (80%)

Blue (44%)

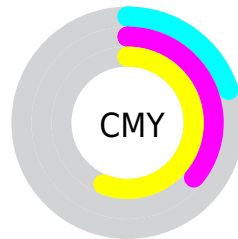


Cyan (0%)

Magenta (20%)

Yellow (45%)

Black (20%)



Cyan (20%)


Magenta (36%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.9797, 40.2240, 21.2269 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 40.9797, 40.2240, 21.2269 by changing the saturation by 10% instead.


 40.9797, 40.2240,
21.2269


 40.9797, 40.2240,
21.2269

341.2998,
347.0668, 271.3024


 28.4908, 27.7132,
13.0971


 75.9280, 75.5045,
46.3505


 18.8383, 18.1096,
7.3639


 99.1181, 99.0430,
64.1815

 11.6568, 11.0287,
3.6088


 126.6060,
127.0262, 86.0832

 6.5810, 6.0861,
1.4133

 158.7570,
159.8386, 112.4742

 3.2454, 2.8975,
0.1521

195.9366,
197.8644, 143.7731

 1.2849, 1.0785,
0.0000

238.5100,

 0.1718, 0.0000,

241.4881, 180.3984

0.0000

286.8426,
291.0941, 222.7687

■ 0.0000, 0.0000,
0.0000

■ 40.9797, 40.2240,
21.2269

■ 40.9797, 40.2240,
21.2269

■ 38.3851, 36.6708,
15.3187

■ 43.9530, 44.1214,
28.5358

■ 36.1463, 33.4442,
10.7157

■ 47.3205, 48.3687,
37.3273

■ 34.2420, 30.5330,
7.3141

■ 51.0999, 52.9781,
47.6800

■ 32.6467, 27.9227,
4.9932

■ 55.3073, 57.9598,
59.6662

■ 31.3299, 25.5968,
3.6061

■ 59.9575, 63.3232,
73.3535

■ 30.7068, 24.4474,
3.1004

■ 65.0647, 69.0776,
88.8058

■ 70.5131, 75.1799,
105.4025

■ 73.0992, 80.3521,
106.2645

■ 75.8216, 85.7969,
107.1720

Harmonies

Analogous

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



45.9444, 40.2240, 26.2843



40.9797, 40.2240, 21.2269



35.6946, 40.2240, 21.1847

Triad

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



40.9797, 40.2240, 21.2269



29.1911, 40.2240, 51.6585



45.8706, 40.2240, 67.9968

Complementary

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



40.9797, 40.2240, 21.2269



29.2643, 30.9804, 61.5642

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.



40.8863, 40.2240, 78.5589



40.9797, 40.2240, 21.2269



31.4344, 40.2240, 67.7462

Square

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



40.9797, 40.2240, 21.2269



29.2111, 40.2240, 36.5496



35.6094, 40.2240, 78.4578



48.9410, 40.2240, 51.9445

Rectangle

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



40.9797, 40.2240, 21.2269



32.7085, 40.2240, 23.9102



35.6094, 40.2240, 78.4578



44.3441, 40.2240, 72.4558

Sweetspot

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



40.9807, 40.2259, 21.2277



85.5842, 88.8849, 81.6476



36.7629, 27.0303, 34.4963



18.0011, 18.6441, 16.5874



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.



40.9807, 40.2259, 21.2277



63.5310, 60.6764, 25.2855



48.6520, 56.7909, 24.0208



11.7147, 12.2184, 11.8204



19.4214, 15.5758, 1.9828



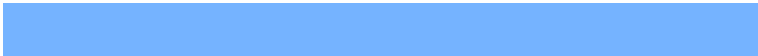
1.0771, 0.9538, 0.1273

Inverse Universe

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



29.2643, 30.9804, 61.5642



41.6136, 43.3969, 100.7909



24.0115, 19.8856, 59.6995



11.0110, 11.6624, 14.2411



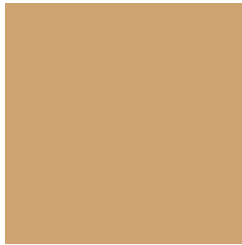
9.3538, 7.7316, 36.9556



0.5580, 0.5497, 1.9316

Previews

White Background



This preview shows how the XYZ color 40.9797, 40.2240, 21.2269 looks on a white background.

Color Contrast Check

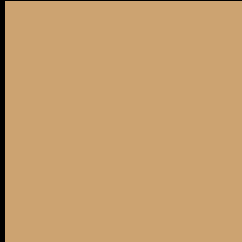
Large Text (above 18pt) WCAG AA × Fail

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 40.9797, 40.2240, 21.2269 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 40.9797, 40.2240, 21.2269

Background



This preview shows how black text looks on a background with the XYZ color 40.9797, 40.2240, 21.2269.



This preview shows how white text looks on a background with the XYZ color 40.9797, 40.2240,

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

40.9797, 40.2240, 21.2269

Protanopia

37.2943, 40.2008, 22.3169

Deuteranopia

40.9797, 40.2240, 21.2269



Tritanopia

45.2508, 40.1594, 42.4123

Trichromacy



Original Color

40.9797, 40.2240, 21.2269

Protanomaly

38.3991, 39.9516, 21.9072

Deuteranomaly

40.9797, 40.2240, 21.2269

Tritanomaly

43.4756, 40.1998, 33.4849

Monochromacy



Original Color

40.9797, 40.2240, 21.2269

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.5349, 39.7524, 34.0757

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9797, 40.2240, 21.2269 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(204, 163, 113)` looks like.

```
.text, #text, p{  
    color:rgb(204, 163, 113)  
}
```

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(204, 163, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 163, 113) }
```

Border

The CSS property to change the border of an element to XYZ 40.9797, 40.2240, 21.2269 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(204, 163, 113) }
```


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

```
.border{ border-color:rgb(204, 163, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 163, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 163, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 163, 113);  
box-shadow:4px 4px 4px 4px rgb(204, 163,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9797, 40.2240, 21.2269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 163, 113) }
```

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

```
.background{ background-color: rgb(204,  
163, 113) }
```

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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