

Converting Colors

XYZ(40.0472, 40.0415, 21.2970)

Have a look what the booklet for
XYZ(40.0472, 40.0415, 21.2970)
contains.

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Color

**XYZ(40.0755, 40.0225,
21.2357)**

Conversions

Conversions Part 1

Format	Color
Hex	C8A471
RGB	200, 164, 113
RGB Percent	78%, 64%, 44%
CMY	0.2157, 0.3568, 0.5569
CMYK	0.00, 0.18, 0.43, 0.22
HSL	35°, 44%, 61%
HSV	35°, 43%, 78%
XYZ	40.0755, 40.0225, 21.2357
YIQ	168.9500, 37.8270, -8.2290

Conversions

Conversions Part 2

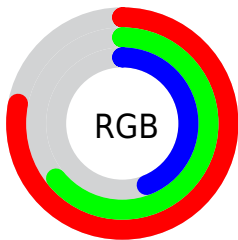
Format	Color
RYB	174, 200, 113
Decimal	13149297
CIELab	69.49, 6.46, 31.40
CIElCh	69, 32.062, 78.380
Yxy	40.0225, 0.3955, 0.3950
Android (android.graphics.Color)	4291339377 (0xFFC8A471)
YUV	168.9500, -27.5833, 27.2309
Hunter-Lab	63.2633, 2.3638, 24.3824

Details

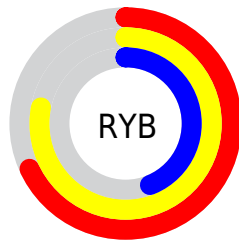
The XYZ color **40.0755, 40.0225, 21.2357** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **27.9825, 29.1747, 58.7999**, and the grayscale version is **37.8072, 39.7761, 43.3162**.

A 20% lighter version of the original color is **73.3630, 74.6396, 46.1376**, and **18.2212, 17.8878, 7.3428** is the 20% darker color. If you saturate the color by 10%, you get **37.6385, 36.7562, 15.4672**, and if you desaturate by 10%, it is **42.8590, 43.5846, 28.3447**.

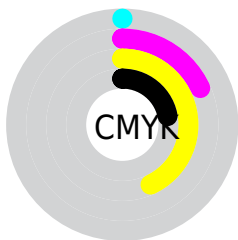
Distribution



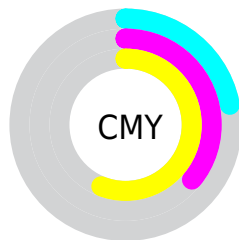
- Red (78%)
- Green (64%)
- Blue (44%)



- Red (68%)
- Yellow (78%)
- Blue (44%)



- Cyan (0%)
- Magenta (18%)
- Yellow (43%)
- Black (22%)



- Cyan (22%)
- Magenta (36%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0755, 40.0225, 21.2357 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 40.0755, 40.0225, 21.2357 by changing the saturation by 10% instead.

40.0755, 40.0225,
21.2357

40.0755, 40.0225,
21.2357

337.5707,
346.2184, 271.3505

27.7819, 27.5561,
13.1035

74.5621, 75.1978,
46.3653

18.3009, 17.9913,
7.3683

97.4858, 98.6754,
64.1999

11.2672, 10.9437,
3.6115

124.6835,
126.5923, 86.1055

6.3155, 6.0290,
1.4148

156.5207,
159.3327, 112.5009

3.0803, 2.8627,
0.1532

193.3626,
197.2812, 143.8046

1.1964, 1.0605,
0.0000

235.5747,

0.1035, 0.0000,

240.8220, 180.4351

0.0000

283.5222,
290.3396, 222.8109

■ 0.0000, 0.0000,
0.0000

■ 40.0755, 40.0225,
21.2357

■ 40.0755, 40.0225,
21.2357

■ 37.6385, 36.7562,
15.4672

■ 42.8590, 43.5846,
28.3447

■ 35.5267, 33.7698,
10.9494

■ 46.0028, 47.4463,
36.8712

■ 33.7208, 31.0540,
7.5851

■ 49.5233, 51.6185,
46.8892

■ 32.1976, 28.5965,
5.2616

■ 53.4352, 56.1096,
58.4669

■ 30.9293, 26.3829,
3.8431

■ 57.7520, 60.9278,
71.6683

■ 30.2100, 25.0606,
3.2449

■ 62.4867, 66.0808,
86.5535

■ 67.6517, 71.5761,
103.1798

■ 70.2229, 76.2064,
105.6159

■ 72.5834, 80.9274,
106.4027

Harmonies

Analogous

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



45.0240, 40.0225, 25.5878



40.0755, 40.0225, 21.2357



34.9942, 40.0225, 21.7777

Triad

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



40.0755, 40.0225, 21.2357



29.3735, 40.0225, 53.1741



45.9568, 40.0225, 65.3267

Complementary

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



40.0755, 40.0225, 21.2357



27.9825, 29.1747, 58.7999

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.



41.2580, 40.0225, 76.5201



40.0755, 40.0225, 21.2357



31.8187, 40.0225, 68.4822

Square

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



40.0755, 40.0225, 21.2357



29.1192, 40.0225, 38.0970



36.0750, 40.0225, 77.7904



48.6191, 40.0225, 49.5603

Rectangle

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



40.0755, 40.0225, 21.2357



32.2020, 40.0225, 24.8699



36.0750, 40.0225, 77.7904



44.5445, 40.0225, 69.8886

Sweetspot

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



40.0765, 40.0244, 21.2365



85.9443, 89.6050, 81.7676



35.1696, 26.2679, 31.7555



18.0901, 18.8220, 16.6171



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.



40.0765, 40.0244, 21.2365



65.4639, 64.0475, 27.4547



45.5636, 53.8054, 23.6073



11.1418, 11.6528, 11.2247



19.2987, 16.1147, 2.0933



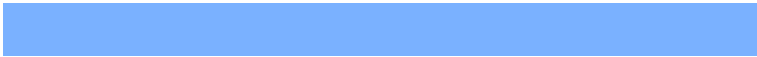
0.9840, 0.9034, 0.1225

Inverse Universe

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



27.9825, 29.1747, 58.7999



41.9068, 42.9348, 100.6863



24.1113, 19.9918, 57.2315



10.4111, 10.9963, 13.4913



8.6672, 6.7282, 35.5862



0.4815, 0.4608, 1.7087

Previews

White Background



This preview shows how the XYZ color 40.0755, 40.0225, 21.2357 looks on a white background.

Color Contrast Check

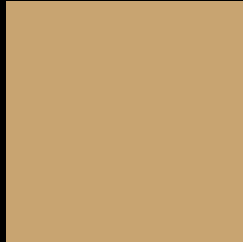
Large Text (above 18pt) WCAG AA × Fail

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 40.0755, 40.0225, 21.2357 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

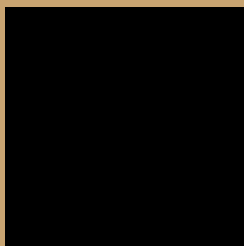
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.0755, 40.0225, 21.2357

Background



This preview shows how black text looks on a background with the XYZ color 40.0755, 40.0225, 21.2357.



This preview shows how white text looks on a background with the XYZ color 40.0755, 40.0225,

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

40.0755, 40.0225, 21.2357

Protanopia

37.2364, 40.1776, 22.0121

Deuteranopia

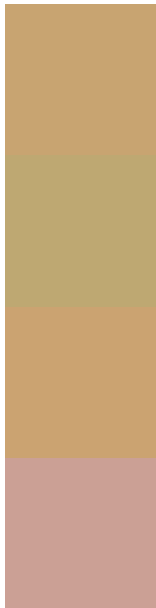
40.8028, 39.8703, 21.1680



Tritanopia

44.3952, 39.9577, 42.9088

Trichromacy



Original Color

40.0755, 40.0225, 21.2357

Protanomaly

38.2751, 40.1673, 21.6553

Deuteranomaly

40.7064, 40.0832, 21.2141

Tritanomaly

42.6242, 40.0080, 33.9096

Monochromacy



Original Color

40.0755, 40.0225, 21.2357

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

38.0659, 39.5107, 34.0538

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0755, 40.0225, 21.2357 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(200, 164, 113)` looks like.

```
.text, #text, p{  
    color:rgb(200, 164, 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(200, 164, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 164, 113) }
```

Border

The CSS property to change the border of an element to XYZ 40.0755, 40.0225, 21.2357 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(200, 164, 113) }
```


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

```
.border{ border-color:rgb(200, 164, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 164, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 164, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 164, 113);  
box-shadow:4px 4px 4px 4px rgb(200, 164,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0755, 40.0225, 21.2357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 164, 113) }
```

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

```
.background{ background-color: rgb(200,  
164, 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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