

Converting Colors

XYZ(40.7792, 43.0900, 21.1759)

Have a look what the booklet for
XYZ(40.7792, 43.0900, 21.1759)
contains.

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Color

**XYZ(40.7702, 43.1556,
21.2200)**

Conversions

Conversions Part 1

Format	Color
Hex	C4AE6F
RGB	196, 174, 111
RGB Percent	77%, 68%, 44%
CMY	0.2314, 0.3176, 0.5647
CMYK	0.00, 0.11, 0.43, 0.23
HSL	44°, 42%, 60%
HSV	44°, 43%, 77%
XYZ	40.7702, 43.1556, 21.2200
YIQ	173.3960, 33.3350, -14.9290

Conversions

Conversions Part 2

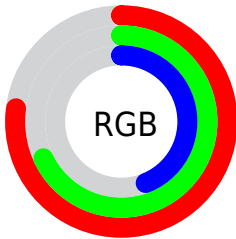
Format	Color
RYB	141, 196, 111
Decimal	12889711
CIELab	71.66, -0.76, 35.18
CIELCh	72, 35.191, 91.242
Yxy	43.1556, 0.3877, 0.4104
Android (android.graphics.Color)	4291079791 (0xFFC4AE6F)
YUV	173.3960, -30.7612, 19.8237
Hunter-Lab	65.6929, -4.1823, 26.8333

Details

The XYZ color **40.7702, 43.1556, 21.2200** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **24.9066, 24.1391, 55.5709**, and the grayscale version is **40.0640, 42.1504, 45.9018**.

A 20% lighter version of the original color is **75.5932, 79.7898, 46.5387**, and **18.8135, 19.9296, 7.4126** is the 20% darker color. If you saturate the color by 10%, you get **38.8462, 40.8492, 15.8260**, and if you desaturate by 10%, it is **42.9702, 45.6347, 27.8752**.

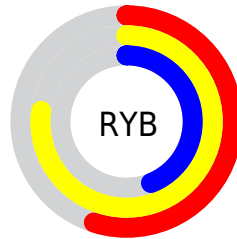
Distribution



Red (77%)

Green (68%)

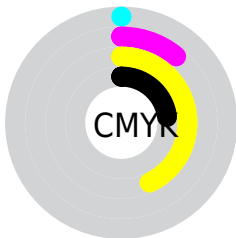
Blue (44%)



Red (55%)

Yellow (77%)

Blue (44%)

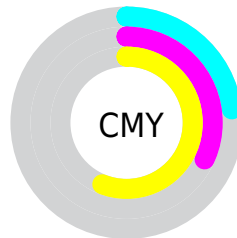


Cyan (0%)

Magenta (11%)

Yellow (43%)

Black (23%)



Cyan (23%)

Magenta (32%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7702, 43.1556, 21.2200 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 40.7702, 43.1556, 21.2200 by changing the saturation by 10% instead.

■ 40.7702, 43.1556,
21.2200

■ 40.7702, 43.1556,
21.2200

340.4383,
359.2513, 271.2647

■ 28.3264, 30.0072,
13.0921

■ 75.6118, 79.9456,
46.3389

■ 18.7136, 19.8441,
7.3605

■ 98.7404, 104.3560,
64.1670

■ 11.5663, 12.2817,
3.6067

■ 126.1614,
133.2893, 86.0656

■ 6.5192, 6.9359,
1.4122

■ 158.2400,
167.1297, 112.4532

■ 3.2069, 3.4220,
0.1512

195.3416,
206.2617, 143.7484

■ 1.2641, 1.3558,
0.0000

237.8316,

■ 0.1561, 0.1838,

251.0697, 180.3697

0.0000

286.0754,
301.9381, 222.7356

■ 0.0000, 0.0000,
0.0000

■ 40.7702, 43.1556,
21.2200

■ 40.7702, 43.1556,
21.2200

■ 38.8462, 40.8492,
15.8260

■ 42.9702, 45.6347,
27.8752

■ 37.1788, 38.7025,
11.6079

■ 45.4575, 48.2871,
35.8639

■ 35.7513, 36.7096,
8.4741


■ 48.2469, 51.1206,
45.2564


■ 34.5430, 34.8616,
6.3182


■ 51.3507, 54.1411,
56.1169


■ 33.5291, 33.1480,
5.0119


■ 54.7809, 57.3538,
68.5059

 32.9334, 32.0728,
4.4549

 58.5487, 60.7638,
82.4802

 62.6646, 64.3759,
98.0941

 65.0082, 67.3425,
104.1798

 66.3165, 69.9590,
104.6159

Harmonies

Analogous

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



46.7828, 43.1556, 23.6884



40.7702, 43.1556, 21.2200



35.3564, 43.1556, 24.1419

Triad

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



40.7702, 43.1556, 21.2200



31.9788, 43.1556, 66.1515



51.9080, 43.1556, 64.6158

Complementary

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



40.7702, 43.1556, 21.2200



24.9066, 24.1391, 55.5709

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.



47.2541, 43.1556, 81.0098



40.7702, 43.1556, 21.2200



35.7475, 43.1556, 82.0369

Square

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



40.7702, 43.1556, 21.2200



30.5937, 43.1556, 47.7041



41.2670, 43.1556, 88.0362



53.5763, 43.1556, 46.2813

Rectangle

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



40.7702, 43.1556, 21.2200



32.7143, 43.1556, 29.2905



41.2670, 43.1556, 88.0362



50.6200, 43.1556, 70.6782

Sweetspot

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



40.7713, 43.1576, 21.2209



87.4890, 92.6945, 82.2825



32.7294, 24.8170, 25.4982



18.4729, 19.5876, 16.7447



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.



40.7713, 43.1576, 21.2209



70.5519, 74.2234, 29.1506



40.5514, 49.8769, 22.5294



10.6857, 11.3029, 10.6803



21.2338, 20.7534, 2.8867



0.9706, 1.0029, 0.1424

Inverse Universe

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



24.9066, 24.1391, 55.5709



38.1411, 35.4034, 99.4310



24.9829, 20.1669, 54.8001



9.7355, 10.1623, 12.7332



7.2150, 4.1865, 33.9844



0.3697, 0.2969, 1.4877

Previews

White Background



This preview shows how the XYZ color 40.7702, 43.1556, 21.2200 looks on a white background.

Color Contrast Check

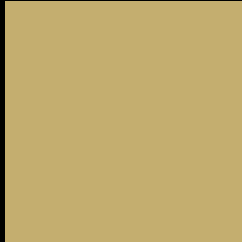
Large Text (above 18pt) WCAG AA × Fail

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 40.7702, 43.1556, 21.2200 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 40.7702, 43.1556, 21.2200

Background



This preview shows how black text looks on a background with the XYZ color 40.7702, 43.1556, 21.2200.



This preview shows how white text looks on a background with the XYZ color 40.7702, 43.1556,

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

40.7702, 43.1556, 21.2200

Protanopia

39.9358, 43.2969, 21.5815

Deuteranopia

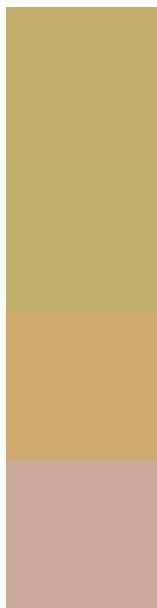
44.0786, 43.1722, 21.3391



Tritanopia

46.4015, 43.2236, 48.5452

Trichromacy



Original Color

40.7702, 43.1556, 21.2200

Protanomaly

40.2469, 43.1673, 21.5401

Deuteranomaly

42.7530, 43.0411, 21.3837

Tritanomaly

43.8401, 42.9884, 36.5588

Monochromacy



Original Color

40.7702, 43.1556, 21.2200

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.5046, 41.9129, 34.8620

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7702, 43.1556, 21.2200 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, 174, 111)` looks like.

```
.text, #text, p{  
    color:rgb(196, 174, 111)  
}
```

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, 174, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 174, 111) }
```

Border

The CSS property to change the border of an element to XYZ 40.7702, 43.1556, 21.2200 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, 174, 111) }
```


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

```
.border{ border-color:rgb(196, 174, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 174, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 174, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 174, 111);  
box-shadow:4px 4px 4px 4px rgb(196, 174,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7702, 43.1556, 21.2200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 174, 111) }
```

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

```
.background{ background-color: rgb(196,  
174, 111) }
```

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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