

Converting Colors

XYZ(42.7223, 44.0105, 20.5444)

Have a look what the booklet for
XYZ(42.7223, 44.0105, 20.5444)
contains.

XYZ(42.5522, 43.8072, 20.4003)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.5522, 43.8072,
20.4003)**

Conversions

Conversions Part 1

Format	Color
Hex	CCAD6C
RGB	204, 173, 108
RGB Percent	80%, 68%, 42%
CMY	0.2000, 0.3215, 0.5765
CMYK	0.00, 0.15, 0.47, 0.20
HSL	41°, 48%, 61%
HSV	41°, 47%, 80%
XYZ	42.5522, 43.8072, 20.4003
YIQ	174.8590, 39.3410, -13.6430

Conversions

Conversions Part 2

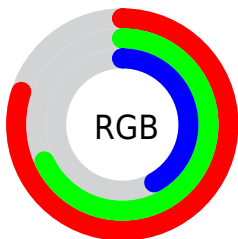
Format	Color
RYB	154, 204, 108
Decimal	13413740
CIELab	72.10, 2.76, 37.45
CIELCh	72, 37.554, 85.784
Yxy	43.8072, 0.3986, 0.4103
Android (android.graphics.Color)	4291603820 (0xFFCCAD6C)
YUV	174.8590, -32.9615, 25.5567
Hunter-Lab	66.1870, -1.0681, 28.0564

Details

The XYZ color **42.5522, 43.8072, 20.4003** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **26.3158, 26.0122, 60.7605**, and the grayscale version is **40.8264, 42.9525, 46.7753**.

A 20% lighter version of the original color is **75.3286, 79.2849, 44.5910**, and **19.8395, 20.2864, 7.0077** is the 20% darker color. If you saturate the color by 10%, you get **40.3593, 40.9603, 14.9253**, and if you desaturate by 10%, it is **45.0636, 46.8844, 27.2356**.

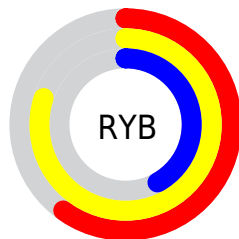
Distribution



Red (80%)

Green (68%)

Blue (42%)



Red (60%)

Yellow (80%)

Blue (42%)

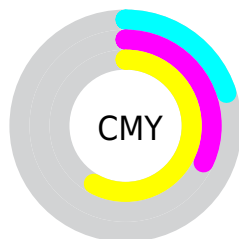


Cyan (0%)

Magenta (15%)

Yellow (47%)

Black (20%)



Cyan (20%)

Magenta (32%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5522, 43.8072, 20.4003 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 42.5522, 43.8072, 20.4003 by changing the saturation by 10% instead.

■ 42.5522, 43.8072,
20.4003

■ 42.5522, 43.8072,
20.4003

347.7198,
361.9209, 266.7496

■ 29.7269, 30.5190,
12.4994

■ 78.2946, 80.9275,
44.9551

■ 19.7784, 20.2328,
6.9581

■ 101.9424,
105.5285, 62.4460

■ 12.3414, 12.5644,
3.3579

■ 129.9285,
134.6690, 83.9707

■ 7.0505, 7.1293,
1.2801

■ 162.6182,
168.7337, 109.9477

■ 3.5403, 3.5431,
0.0454

200.3768,
208.1068, 140.7956

■ 1.4455, 1.4214,
0.0000

243.5697,

■ 0.2883, 0.2324,

253.1728, 176.9328

0.0000

292.5622,
304.3160, 218.7779

■ 0.0000, 0.0000,
0.0000

■ 42.5522, 43.8072,
20.4003

■ 42.5522, 43.8072,
20.4003

■ 40.3593, 40.9603,
14.9253

■ 45.0636, 46.8844,
27.2356

■ 38.4627, 38.3285,
10.7130

■ 47.9073, 50.1939,
35.5144

■ 36.8424, 35.9040,
7.6568

■ 51.1002, 53.7455,
45.3163

■ 35.4736, 33.6754,
5.6313

■ 54.6570, 57.5464,
56.7143

■ 34.3234, 31.6279,
4.4681

■ 58.5912, 61.6033,
69.7766

■ 34.0096, 31.0530,
4.2013

■ 62.9160, 65.9227,
84.5676

■ 67.6436, 70.5108,
101.1480

■ 70.0659, 74.2856,
105.2534

■ 71.8884, 77.9305,
105.8609

Harmonies

Analogous

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



48.9773, 43.8072, 24.0167



42.5522, 43.8072, 20.4003



36.4919, 43.8072, 22.4079

Triad

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



42.5522, 43.8072, 20.4003



31.4752, 43.8072, 64.8020



52.7108, 43.8072, 70.4864

Complementary

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



42.5522, 43.8072, 20.4003



26.3158, 26.0122, 60.7605

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.



47.2453, 43.8072, 87.1732



42.5522, 43.8072, 20.4003



35.0702, 43.8072, 83.3429

Square

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



42.5522, 43.8072, 20.4003



30.4928, 43.8072, 45.1447



40.7359, 43.8072, 92.3962



55.2122, 43.8072, 50.3470

Rectangle

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



42.5522, 43.8072, 20.4003



33.3964, 43.8072, 27.0361



40.7359, 43.8072, 92.3962



51.1336, 43.8072, 76.8687

Sweetspot

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



42.5533, 43.8093, 20.4012



86.2582, 90.7753, 80.2002



34.9983, 25.4564, 27.8804



18.1965, 19.1415, 16.3236



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.



42.5533, 43.8093, 20.4012



66.9504, 67.9835, 24.9811



45.0388, 54.9598, 22.4225



11.8366, 12.4622, 11.8610



21.4936, 19.7202, 2.6735



1.1758, 1.1512, 0.1602

Inverse Universe

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



26.3158, 26.0122, 60.7605



37.0366, 35.2360, 99.4569



24.5743, 19.3704, 59.5703



10.8926, 11.4256, 14.2016



8.1567, 5.3375, 36.5566



0.4897, 0.4131, 1.9089

Previews

White Background



This preview shows how the XYZ color 42.5522, 43.8072, 20.4003 looks on a white background.

Color Contrast Check

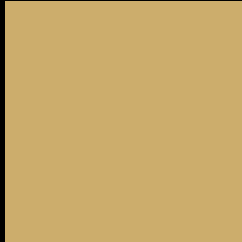
Large Text (above 18pt) WCAG AA × Fail

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 42.5522, 43.8072, 20.4003 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 42.5522, 43.8072, 20.4003

Background



This preview shows how black text looks on a background with the XYZ color 42.5522, 43.8072, 20.4003.



This preview shows how white text looks on a background with the XYZ color 42.5522, 43.8072,

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

42.5522, 43.8072, 20.4003

Protanopia

40.4748, 43.8859, 20.8056

Deuteranopia

44.6798, 43.7762, 20.5628



Tritanopia

48.2549, 43.9335, 47.5317

Trichromacy



Original Color

42.5522, 43.8072, 20.4003

Protanomaly

41.3116, 44.0251, 20.7883

Deuteranomaly

43.7134, 43.5552, 20.5711

Tritanomaly

45.6826, 43.6822, 35.7295

Monochromacy



Original Color

42.5522, 43.8072, 20.4003

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

40.9717, 42.9456, 35.4080

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5522, 43.8072, 20.4003 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, 173, 108)` looks like.

```
.text, #text, p{  
    color:rgb(204, 173, 108)  
}
```

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, 173, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 173, 108) }
```

Border

The CSS property to change the border of an element to XYZ 42.5522, 43.8072, 20.4003 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, 173, 108) }
```


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

```
.border{ border-color:rgb(204, 173, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 173, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 173, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 173, 108);  
box-shadow:4px 4px 4px 4px rgb(204, 173,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5522, 43.8072, 20.4003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 173, 108) }
```

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

```
.background{ background-color: rgb(204,  
173, 108) }
```

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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