

Converting Colors

XYZ(42.5340, 43.7912, 20.1214)

Have a look what the booklet for
XYZ(42.5340, 43.7912, 20.1214)
contains.

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Color

**XYZ(42.4993, 43.7860,
20.1215)**

Conversions

Conversions Part 1

Format	Color
Hex	CCAD6B
RGB	204, 173, 107
RGB Percent	80%, 68%, 42%
CMY	0.2000, 0.3215, 0.5804
CMYK	0.00, 0.15, 0.48, 0.20
HSL	41°, 49%, 61%
HSV	41°, 48%, 80%
XYZ	42.4993, 43.7860, 20.1215
YIQ	174.7450, 39.6620, -13.9540

Conversions

Conversions Part 2

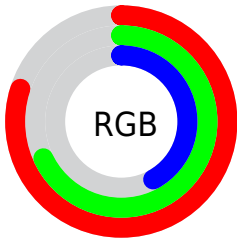
Format	Color
RYB	153, 204, 107
Decimal	13413739
CIELab	72.09, 2.66, 37.95
CIELCh	72, 38.045, 85.985
Yxy	43.7860, 0.3994, 0.4115
Android (android.graphics.Color)	4291603819 (0xFFCCAD6B)
YUV	174.7450, -33.3983, 25.6566
Hunter-Lab	66.1710, -1.1550, 28.2906

Details

The XYZ color **42.4993, 43.7860, 20.1215** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **26.0508, 25.6616, 60.7070**, and the grayscale version is **40.7694, 42.8926, 46.7100**.

A 20% lighter version of the original color is **75.2414, 79.2500, 44.1320**, and **19.8138, 20.2761, 6.8724** is the 20% darker color. If you saturate the color by 10%, you get **40.3308, 40.9687, 14.7139**, and if you desaturate by 10%, it is **44.9842, 46.8308, 26.8846**.

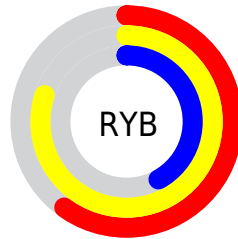
Distribution



Red (80%)

Green (68%)

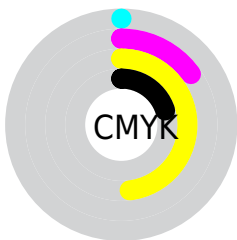
Blue (42%)



Red (60%)

Yellow (80%)

Blue (42%)

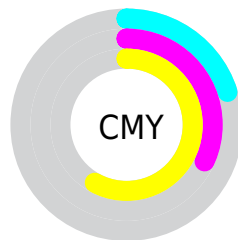


Cyan (0%)

Magenta (15%)

Yellow (48%)

Black (20%)



Cyan (20%)

Magenta (32%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4993, 43.7860, 20.1215 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 42.4993, 43.7860, 20.1215 by changing the saturation by 10% instead.

■ 42.4993, 43.7860,
20.1215

■ 42.4993, 43.7860,
20.1215

347.5051,
361.8343, 265.1981

■ 29.6853, 30.5023,
12.2984

■ 78.2152, 80.8956,
44.4824

■ 19.7467, 20.2202,
6.8223

■ 101.8477,
105.4904, 61.8574

■ 12.3182, 12.5552,
3.2744

■ 129.8172,
134.6242, 83.2534

■ 7.0345, 7.1230,
1.2364

■ 162.4888,
168.6816, 109.0890

■ 3.5302, 3.5391,
0.0088

200.2281,
208.0469, 139.7827

■ 1.4400, 1.4193,
0.0000

243.4004,

■ 0.2844, 0.2308,

253.1045, 175.7531

0.0000

292.3709,
304.2389, 217.4187

■ 0.0000, 0.0000,
0.0000

■ 42.4993, 43.7860,
20.1215

■ 42.4993, 43.7860,
20.1215

■ 40.3308, 40.9687,
14.7139

■ 44.9842, 46.8308,
26.8846

■ 38.4564, 38.3636,
10.5636

■ 47.7993, 50.1049,
35.0868

■ 36.8560, 35.9629,
7.5633


■ 50.9617, 53.6182,
44.8079

■ 35.5046, 33.7551,
5.5867

■ 54.4858, 57.3778,
56.1212

■ 34.3676, 31.7251,
4.4558


■ 58.3855, 61.3904,
69.0952

 34.1075, 31.2487,
4.2339

 62.6737, 65.6625,
83.7943

 67.3627, 70.2003,
100.2794

 69.9189, 73.9913,
105.2044

 71.7165, 77.5867,
105.8036

Harmonies

Analogous

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



49.0154, 43.7860, 23.7165



42.4993, 43.7860, 20.1215



36.3729, 43.7860, 22.1763

Triad

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



42.4993, 43.7860, 20.1215



31.3539, 43.7860, 65.1601



52.8725, 43.7860, 70.6587

Complementary

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



42.4993, 43.7860, 20.1215



26.0508, 25.6616, 60.7070

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.



47.3429, 43.7860, 87.6800



42.4993, 43.7860, 20.1215



35.0037, 43.7860, 83.9683

Square

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



42.4993, 43.7860, 20.1215



30.3432, 43.7860, 45.2108



40.7475, 43.7860, 93.0929



55.3863, 43.7860, 50.2282

Rectangle

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



42.4993, 43.7860, 20.1215



33.2529, 43.7860, 26.8617



40.7475, 43.7860, 93.0929



51.2784, 43.7860, 77.1563

Sweetspot

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



42.5004, 43.7881, 20.1224



86.2939, 90.8466, 80.2121



34.8445, 25.2271, 27.5873



18.2052, 19.1589, 16.3265



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.



42.5004, 43.7881, 20.1224



66.7268, 67.7608, 24.2144



44.9449, 54.9176, 22.1418



11.8398, 12.4686, 11.8621



21.5548, 19.8425, 2.6939



1.1786, 1.1568, 0.1612

Inverse Universe

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



26.0508, 25.6616, 60.7070



36.3414, 34.3216, 99.3171



24.3495, 19.0988, 59.5299



10.8895, 11.4194, 14.2006



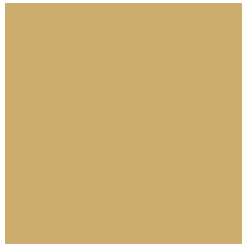
8.1315, 5.2869, 36.5482



0.4881, 0.4099, 1.9083

Previews

White Background



This preview shows how the XYZ color 42.4993, 43.7860, 20.1215 looks on a white background.

Color Contrast Check

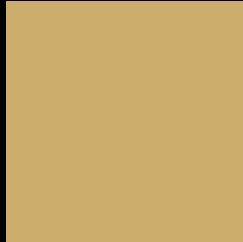
Large Text (above 18pt) WCAG AA × Fail

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 42.4993, 43.7860, 20.1215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

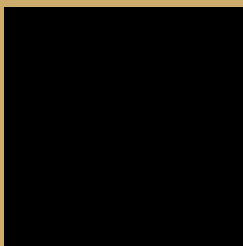
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.4993, 43.7860, 20.1215

Background



This preview shows how black text looks on a background with the XYZ color 42.4993, 43.7860, 20.1215.



This preview shows how white text looks on a background with the XYZ color 42.4993, 43.7860,

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

42.4993, 43.7860, 20.1215

Protanopia

40.4212, 43.8644, 20.5236

Deuteranopia

44.6263, 43.7548, 20.2808



Tritanopia

48.2549, 43.9335, 47.5317

Trichromacy



Original Color

42.4993, 43.7860, 20.1215

Protanomaly

41.2581, 44.0037, 20.5064

Deuteranomaly

43.6598, 43.5338, 20.2891

Tritanomaly

45.6826, 43.6822, 35.7295

Monochromacy



Original Color

42.4993, 43.7860, 20.1215

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

40.8908, 42.9132, 34.9821

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4993, 43.7860, 20.1215 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, 107)` looks like.

```
.text, #text, p{  
    color:rgb(204, 173, 107)  
}
```

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, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 173, 107) }
```

Border

The CSS property to change the border of an element to XYZ 42.4993, 43.7860, 20.1215 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, 107) }
```


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

```
.border{ border-color:rgb(204, 173, 107) }
```

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, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 173, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 173, 107);  
box-shadow:4px 4px 4px 4px rgb(204, 173,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4993, 43.7860, 20.1215 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, 107) }
```

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

```
.background{ background-color: rgb(204,  
173, 107) }
```

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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