

Converting Colors

XYZ(42.0886, 43.5428, 29.8537)

Have a look what the booklet for
XYZ(42.0886, 43.5428, 29.8537)
contains.

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Color

**XYZ(42.1571, 43.6803,
29.8761)**

Conversions

Conversions Part 1

Format	Color
Hex	C3AE89
RGB	195, 174, 137
RGB Percent	76%, 68%, 54%
CMY	0.2353, 0.3176, 0.4627
CMYK	0.00, 0.11, 0.30, 0.24
HSL	38°, 33%, 65%
HSV	38°, 30%, 76%
XYZ	42.1571, 43.6803, 29.8761
YIQ	176.0610, 24.3930, -7.0550

Conversions

Conversions Part 2

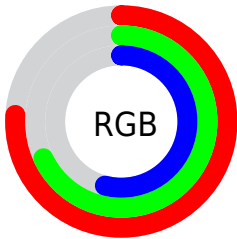
Format	Color
RYB	170, 195, 137
Decimal	12824201
CIELab	72.01, 1.94, 21.79
CIElCh	72, 21.873, 84.911
Yxy	43.6803, 0.3643, 0.3775
Android (android.graphics.Color)	4291014281 (0xFFC3AE89)
YUV	176.0610, -19.2571, 16.6095
Hunter-Lab	66.0911, -1.8007, 19.4620

Details

The XYZ color **42.1571, 43.6803, 29.8761** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **32.3935, 33.7114, 56.4296**, and the grayscale version is **41.3879, 43.5433, 47.4186**.

A 20% lighter version of the original color is **77.5682, 80.4957, 60.7391**, and **19.6643, 20.2699, 11.8929** is the 20% darker color. If you saturate the color by 10%, you get **39.5550, 40.5159, 22.7202**, and if you desaturate by 10%, it is **45.0860, 47.0932, 38.3892**.

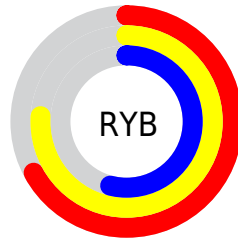
Distribution



Red (76%)

Green (68%)

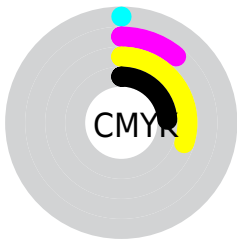
Blue (54%)



Red (67%)

Yellow (76%)

Blue (54%)

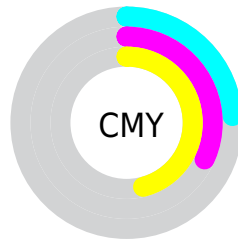


Cyan (0%)

Magenta (11%)

Yellow (30%)

Black (24%)



Cyan (24%)


Magenta (32%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.1571, 43.6803, 29.8761 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 42.1571, 43.6803, 29.8761 by changing the saturation by 10% instead.


 42.1571, 43.6803,
29.8761


 42.1571, 43.6803,
29.8761


346.1143,
361.4021, 315.5158

 29.4160, 30.4193,
19.4933


 77.7010, 80.7365,
60.5249

 19.5416, 20.1570,
11.8469


 101.2345,
105.3004, 81.6279

 12.1686, 12.5092,
6.5182

 129.0961,
134.4007, 107.1415

 6.9316, 7.0915,
3.0888

161.6513,
168.4218, 137.4841

 3.4653, 3.5194,
1.1402

199.2654,
207.7481, 173.0743

 1.4043, 1.4085,
0.0000

242.3036,

 0.2593, 0.2230,

252.7639, 214.3306

0.0000

291.1315,
303.8538, 261.6716

■ 0.0000, 0.0000,
0.0000

■ 42.1571, 43.6803,
29.8761

■ 42.1571, 43.6803,
29.8761

■ 39.5550, 40.5159,
22.7202

■ 45.0860, 47.0932,
38.3892

■ 37.2616, 37.5864,
16.8466

■ 48.3519, 50.7558,
48.3235

■ 35.2620, 34.8855,
12.1774

■ 51.9688, 54.6768,
59.7422

■ 33.5385, 32.4045,
8.6249

■ 55.9488, 58.8627,
72.7039

■ 32.0710, 30.1333,
6.0893

■ 60.3034, 63.3198,
87.2639

■ 30.8360, 28.0606,
4.4529

■ 65.0434, 68.0539,
103.4749

■ 29.7906, 26.1673,
3.4951

■ 67.0553, 71.8211,
104.9364

■ 29.7650, 26.1205,
3.4730

■ 68.9855, 75.6816,
105.5798

■ 70.9954, 79.7014,
106.2498

Harmonies

Analogous

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



45.7831, 43.6803, 32.6392



42.1571, 43.6803, 29.8761



38.5650, 43.6803, 31.2402

Triad

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



42.1571, 43.6803, 29.8761



35.3386, 43.6803, 56.7592



47.6742, 43.6803, 60.3892

Complementary

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



42.1571, 43.6803, 29.8761



32.3935, 33.7114, 56.4296

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.



44.6155, 43.6803, 68.7573



42.1571, 43.6803, 29.8761



37.5241, 43.6803, 66.4511

Square

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



42.1571, 43.6803, 29.8761



34.7671, 43.6803, 45.7593



40.8830, 43.6803, 71.1266



49.0880, 43.6803, 49.4082

Rectangle

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



42.1571, 43.6803, 29.8761



36.6506, 43.6803, 34.4318



40.8830, 43.6803, 71.1266



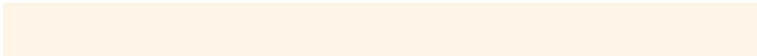
46.7957, 43.6803, 63.6625

Sweetspot

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



42.1582, 43.6823, 29.8770



86.9715, 91.3145, 87.7055



37.6463, 31.9717, 36.6557



18.8461, 19.7767, 18.5873



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.



42.1582, 43.6823, 29.8770



72.2667, 74.3237, 44.5185



44.5896, 51.4351, 31.2453



10.5969, 11.1252, 10.6507



19.4276, 17.1410, 2.2846



0.9029, 0.8677, 0.1199

Inverse Universe

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



32.3935, 33.7114, 56.4296



51.8507, 53.4850, 100.0606



30.4266, 27.8275, 55.3976



9.8201, 10.3316, 12.7614



7.9231, 5.6027, 34.2204



0.4081, 0.3736, 1.5005

Previews

White Background



This preview shows how the XYZ color 42.1571, 43.6803, 29.8761 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 42.1571, 43.6803, 29.8761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

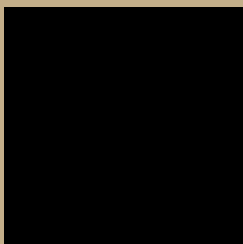
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

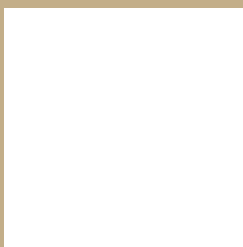
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.1571, 43.6803, 29.8761

Background



This preview shows how black text looks on a background with the XYZ color 42.1571, 43.6803, 29.8761.



This preview shows how white text looks on a background with the XYZ color 42.1571, 43.6803,

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

42.1571, 43.6803, 29.8761

Protanopia

40.8518, 43.5770, 30.3028

Deuteranopia

44.6943, 43.8498, 30.1530



Tritanopia

46.1625, 43.6208, 49.7027

Trichromacy



Original Color

42.1571, 43.6803, 29.8761

Protanomaly

41.4033, 43.5713, 30.2727

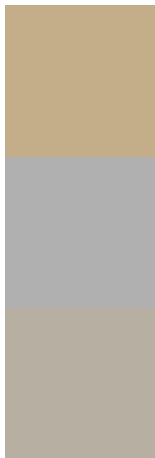
Deuteranomaly

43.7790, 43.6573, 30.1641

Tritanomaly

44.4550, 43.4718, 41.6452

Monochromacy



Original Color

42.1571, 43.6803, 29.8761

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

41.3800, 43.3359, 40.3661

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1571, 43.6803, 29.8761 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(195, 174, 137)` looks like.

```
.text, #text, p{  
    color:rgb(195, 174, 137)  
}
```

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(195, 174, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 174, 137) }
```

Border

The CSS property to change the border of an element to XYZ 42.1571, 43.6803, 29.8761 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(195, 174, 137) }
```


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

```
.border{ border-color:rgb(195, 174, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 174, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 174, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 174, 137);  
box-shadow:4px 4px 4px 4px rgb(195, 174,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1571, 43.6803, 29.8761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 174, 137) }
```

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

```
.background{ background-color: rgb(195,  
174, 137) }
```

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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