

Converting Colors

XYZ(41.6983, 43.3154, 18.5159)

Have a look what the booklet for
XYZ(41.6983, 43.3154, 18.5159)
contains.

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Color

**XYZ(41.6497, 43.3833,
18.4906)**

Conversions

Conversions Part 1

Format	Color
Hex	CAAD65
RGB	202, 173, 101
RGB Percent	79%, 68%, 40%
CMY	0.2078, 0.3215, 0.6039
CMYK	0.00, 0.14, 0.50, 0.21
HSL	43°, 49%, 59%
HSV	43°, 50%, 79%
XYZ	41.6497, 43.3833, 18.4906
YIQ	173.4630, 40.3960, -16.2440

Conversions

Conversions Part 2

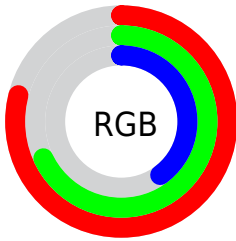
Format	Color
RYB	142, 202, 101
Decimal	13282661
CIELab	71.81, 1.27, 40.65
CIELCh	72, 40.670, 88.216
Yxy	43.3833, 0.4023, 0.4191
Android (android.graphics.Color)	4291472741 (0xFFCAAD65)
YUV	173.4630, -35.7243, 25.0269
Hunter-Lab	65.8660, -2.3928, 29.4617

Details

The XYZ color **41.6497, 43.3833, 18.4906** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **24.0099, 22.9955, 59.0501**, and the grayscale version is **40.1204, 42.2098, 45.9665**.

A 20% lighter version of the original color is **74.7332, 79.0467, 41.4557**, and **19.3113, 20.0337, 6.0979** is the 20% darker color. If you saturate the color by 10%, you get **39.6914, 40.8607, 13.5407**, and if you desaturate by 10%, it is **43.9016, 46.1038, 24.7393**.

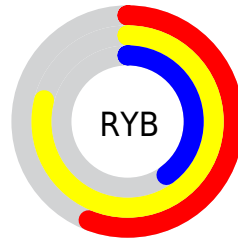
Distribution



Red (79%)

Green (68%)

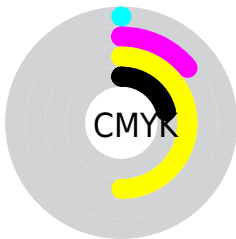
Blue (40%)



Red (56%)

Yellow (79%)

Blue (40%)

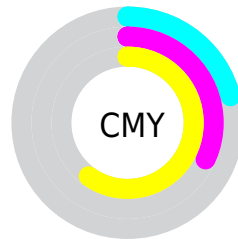


Cyan (0%)

Magenta (14%)

Yellow (50%)

Black (21%)



Cyan (21%)

Magenta (32%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.6497, 43.3833, 18.4906 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 41.6497, 43.3833, 18.4906 by changing the saturation by 10% instead.

■ 41.6497, 43.3833,
18.4906

■ 41.6497, 43.3833,
18.4906

344.0451,
360.1857, 255.9503

■ 29.0170, 30.1860,
11.1297

■ 76.9377, 80.2890,
41.6967

■ 19.2380, 19.9798,
6.0389

■ 100.3237,
104.7661, 58.3790

■ 11.9474, 12.3804,
2.7996

■ 128.0248,
133.7719, 79.0055

■ 6.7798, 7.0033,
0.9932

■ 160.4065,
167.6909, 103.9948

■ 3.3699, 3.4641,
0.0000

197.8340,
206.9073, 133.7654

■ 1.3523, 1.3786,
0.0000

240.6727,

■ 0.2218, 0.2009,

251.8057, 168.7358

0.0000

289.2879,
302.7704, 209.3246

■ 0.0000, 0.0000,
0.0000

■ 41.6497, 43.3833,
18.4906

■ 41.6497, 43.3833,
18.4906

■ 39.6914, 40.8607,
13.5407

■ 43.9016, 46.1038,
24.7393

■ 38.0049, 38.5215,
9.7912

■ 46.4609, 49.0238,
32.3703

■ 36.5698, 36.3581,
7.1339


■ 49.3441, 52.1525,
41.4631


■ 35.3611, 34.3596,
5.4396


■ 52.5656, 55.4966,
52.0903


■ 34.3319, 32.5061,
4.4649


■ 56.1387, 59.0622,
64.3198

 34.3318, 32.5059,
4.4648

 60.0761, 62.8554,
78.2154

 64.3897, 66.8817,
93.8372

 67.8425, 70.6473,
104.6684

 69.3855, 73.7334,
105.1827

Harmonies

Analogous

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



48.6391, 43.3833, 21.7055



41.6497, 43.3833, 18.4906



35.2642, 43.3833, 21.0075

Triad

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



41.6497, 43.3833, 18.4906



30.5963, 43.3833, 67.6169



53.5962, 43.3833, 70.2576

Complementary

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



41.6497, 43.3833, 18.4906



24.0099, 22.9955, 59.0501

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.



47.8433, 43.3833, 89.3454



41.6497, 43.3833, 18.4906



34.6224, 43.3833, 87.5452

Square

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



41.6497, 43.3833, 18.4906



29.3251, 43.3833, 46.0619



40.8221, 43.3833, 96.4139



55.9974, 43.3833, 48.4320

Rectangle

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



41.6497, 43.3833, 18.4906



32.0964, 43.3833, 26.1418



40.8221, 43.3833, 96.4139



51.9608, 43.3833, 77.4119

Sweetspot

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



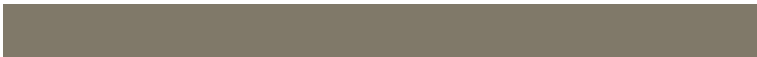
41.6507, 43.3853, 18.4915



86.0883, 90.9696, 78.4968



33.1282, 23.5112, 24.3721



18.1804, 19.2144, 15.9942



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.



41.6507, 43.3853, 18.4915



66.9516, 68.8459, 22.3302



42.7139, 53.1014, 20.3108



11.8712, 12.5313, 11.8725



22.1716, 21.0761, 2.8995



1.2067, 1.2131, 0.1706

Inverse Universe

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



24.0099, 22.9955, 59.0501



33.7966, 30.5790, 98.7288



23.2280, 17.6516, 58.0599



10.8597, 11.3599, 14.1907



7.9000, 4.8240, 36.4710



0.4734, 0.3805, 1.9034

Previews

White Background



This preview shows how the XYZ color 41.6497, 43.3833, 18.4906 looks on a white background.

Color Contrast Check

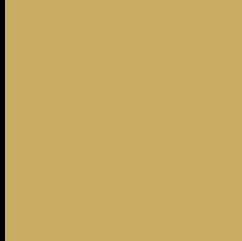
Large Text (above 18pt) WCAG AA × Fail

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 41.6497, 43.3833, 18.4906 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 41.6497, 43.3833, 18.4906

Background



This preview shows how black text looks on a background with the XYZ color 41.6497, 43.3833, 18.4906.



This preview shows how white text looks on a background with the XYZ color 41.6497, 43.3833,

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

41.6497, 43.3833, 18.4906

Protanopia

39.9159, 43.3474, 18.8335

Deuteranopia

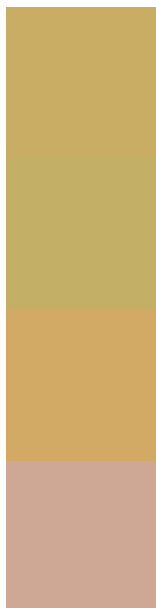
44.1325, 43.2607, 18.5945



Tritanopia

47.5058, 43.2806, 47.4451

Trichromacy



Original Color

41.6497, 43.3833, 18.4906

Protanomaly

40.4932, 43.3550, 18.8045

Deuteranomaly

43.3513, 43.4104, 18.6646

Tritanomaly

44.6971, 42.9292, 34.3641

Monochromacy



Original Color

41.6497, 43.3833, 18.4906

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.9772, 42.1841, 33.6391

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6497, 43.3833, 18.4906 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(202, 173, 101)` looks like.

```
.text, #text, p{  
    color:rgb(202, 173, 101)  
}
```

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(202, 173, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 173, 101) }
```

Border

The CSS property to change the border of an element to XYZ 41.6497, 43.3833, 18.4906 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(202, 173, 101) }
```


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

```
.border{ border-color:rgb(202, 173, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 173, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 173, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 173, 101);  
box-shadow:4px 4px 4px 4px rgb(202, 173,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6497, 43.3833, 18.4906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 173, 101) }
```

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

```
.background{ background-color: rgb(202,  
173, 101) }
```

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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