

Converting Colors

XYZ(41.4198, 41.2317, 16.3341)

Have a look what the booklet for
XYZ(41.4198, 41.2317, 16.3341)
contains.

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Color

**XYZ(41.3887, 41.3460,
16.3888)**

Conversions

Conversions Part 1

Format	Color
Hex	CFA65E
RGB	207, 166, 94
RGB Percent	81%, 65%, 37%
CMY	0.1882, 0.3490, 0.6314
CMYK	0.00, 0.20, 0.55, 0.19
HSL	38°, 54%, 59%
HSV	38°, 55%, 81%
XYZ	41.3887, 41.3460, 16.3888
YIQ	170.0510, 47.5480, -13.7000

Conversions

Conversions Part 2

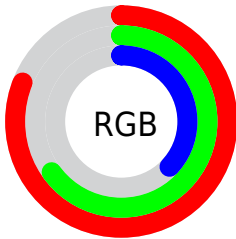
Format	Color
RYB	158, 207, 94
Decimal	13608542
CIELab	70.42, 6.49, 42.61
CIELCh	70, 43.100, 81.337
Yxy	41.3460, 0.4175, 0.4171
Android (android.graphics.Color)	4291798622 (0xFFCFA65E)
YUV	170.0510, -37.4931, 32.4043
Hunter-Lab	64.3009, 2.3691, 29.8989

Details

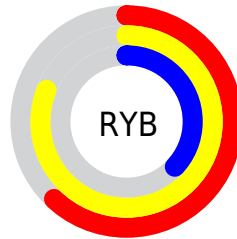
The XYZ color **41.3887, 41.3460, 16.3888** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **24.5421, 24.2115, 62.4109**, and the grayscale version is **38.3993, 40.3991, 43.9946**.

A 20% lighter version of the original color is **72.2848, 75.0482, 37.8701**, and **19.0686, 18.7081, 5.0886** is the 20% darker color. If you saturate the color by 10%, you get **39.2563, 38.3736, 11.6938**, and if you desaturate by 10%, it is **43.8519, 44.5814, 22.4237**.

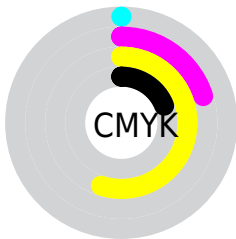
Distribution



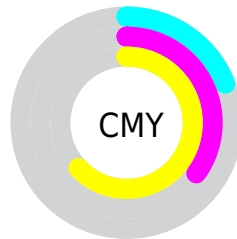
- Red (81%)
- Green (65%)
- Blue (37%)



- Red (62%)
- Yellow (81%)
- Blue (37%)



- Cyan (0%)
- Magenta (20%)
- Yellow (55%)
- Black (19%)



- Cyan (19%)
- Magenta (35%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.3887, 41.3460, 16.3888 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 41.3887, 41.3460, 16.3888 by changing the saturation by 10% instead.

■ 41.3887, 41.3460,
16.3888

■ 41.3887, 41.3460,
16.3888

342.9775,
351.7646, 243.5487

■ 28.8119, 28.5895,
9.6424

■ 76.5446, 77.2089,
38.0480

■ 19.0822, 18.7705,
5.0600

■ 99.8544, 101.0840,
53.7979

■ 11.8340, 11.5046,
2.2232

■ 127.4727,
129.4343, 73.3860

■ 6.7022, 6.4073,
0.6877

■ 159.7647,
162.6439, 97.2308

■ 3.3212, 3.0943,
0.0000

197.0958,
201.0974, 125.7510

■ 1.3258, 1.1812,
0.0000

239.8314,

■ 0.2024, 0.0462,

245.1791, 159.3650

0.0000

288.3369,
295.2733, 198.4914

■ 0.0000, 0.0000,
0.0000

■ 41.3887, 41.3460,
16.3888

■ 41.3887, 41.3460,
16.3888

■ 39.2563, 38.3736,
11.6938

■ 43.8519, 44.5814,
22.4237

■ 37.4299, 35.6475,
8.2283

■ 46.6624, 48.0838,
29.8920

■ 35.8855, 33.1574,
5.8682

■ 49.8390, 51.8643,
38.8817

■ 34.5931, 30.8890,
4.4617

■ 53.3979, 55.9315,
49.4729

■ 33.9701, 29.7416,
3.9503

■ 57.3546, 60.2935,
61.7401

■ 61.7233, 64.9579,
75.7531

■ 66.5177, 69.9321,
91.5775

■ 71.0009, 74.9231,
105.3272

■ 73.0889, 79.0991,
106.0232

Harmonies

Analogous

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



48.4511, 41.3460, 20.8849



41.3887, 41.3460, 16.3888



34.5407, 41.3460, 17.5535

Triad

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



41.3887, 41.3460, 16.3888



27.9122, 41.3460, 60.7825



50.9411, 41.3460, 74.1017

Complementary

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



41.3887, 41.3460, 16.3888



24.5421, 24.2115, 62.4109

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.



44.4735, 41.3460, 92.0936



41.3887, 41.3460, 16.3888



31.3772, 41.3460, 82.9332

Square

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



41.3887, 41.3460, 16.3888



27.2963, 41.3460, 39.3873



37.2792, 41.3460, 95.7379



54.3851, 41.3460, 51.1629

Rectangle

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



41.3887, 41.3460, 16.3888



30.9592, 41.3460, 21.5954



37.2792, 41.3460, 95.7379



49.0142, 41.3460, 81.1839

Sweetspot

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



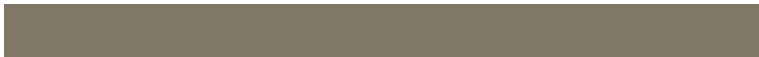
41.3897, 41.3480, 16.3896



84.6217, 88.5623, 76.3865



34.1387, 23.0326, 25.7288



17.8516, 18.6604, 15.5654



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.



41.3897, 41.3480, 16.3896



62.2272, 60.5015, 17.3509



46.0545, 56.6313, 19.0937



12.4278, 13.0462, 12.4752



21.4955, 18.9240, 2.5198



1.2759, 1.2060, 0.1655

Inverse Universe

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



24.5421, 24.2115, 62.4109



32.5043, 30.3354, 98.7499



21.5804, 15.7663, 60.9369



11.5098, 12.1098, 14.9745



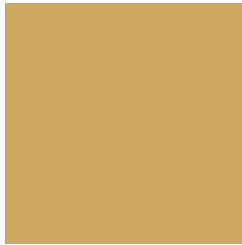
8.7677, 6.1819, 37.9236



0.5648, 0.4948, 2.1453

Previews

White Background



This preview shows how the XYZ color 41.3887, 41.3460, 16.3888 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 41.3887, 41.3460, 16.3888 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 41.3887, 41.3460, 16.3888

Background



This preview shows how black text looks on a background with the XYZ color 41.3887, 41.3460, 16.3888.



This preview shows how white text looks on a background with the XYZ color 41.3887, 41.3460,

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

41.3887, 41.3460, 16.3888

Protanopia

38.0412, 41.5505, 17.0814

Deuteranopia

42.1598, 41.2080, 16.3215



Tritanopia

46.9500, 41.2747, 43.0284

Trichromacy



Original Color

41.3887, 41.3460, 16.3888

Protanomaly

39.2052, 41.3114, 16.7340

Deuteranomaly

42.0539, 41.4201, 16.3681

Tritanomaly

44.3173, 40.9435, 31.1583

Monochromacy



Original Color

41.3887, 41.3460, 16.3888

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.5989, 40.3962, 31.3541

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.3887, 41.3460, 16.3888 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(207, 166, 94)` looks like.

```
.text, #text, p{  
    color:rgb(207, 166, 94)  
}
```

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(207, 166, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 166, 94) }
```

Border

The CSS property to change the border of an element to XYZ 41.3887, 41.3460, 16.3888 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(207, 166, 94) }
```


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

```
.border{ border-color:rgb(207, 166, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 166, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 166, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 166, 94);  
box-shadow:4px 4px 4px 4px rgb(207, 166,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 41.3887, 41.3460, 16.3888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 166, 94) }
```

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

```
.background{ background-color: rgb(207,  
166, 94) }
```

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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