

Converting Colors

XYZ(41.6370, 39.8625, 13.4724)

Have a look what the booklet for
XYZ(41.6370, 39.8625, 13.4724)
contains.

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Color

**XYZ(41.8254, 40.0469,
13.5080)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | D6A052 |
| RGB | 214, 160, 82 |
| RGB Percent | 84%, 63%, 32% |
| CMY | 0.1608, 0.3725, 0.6784 |
| CMYK | 0.00, 0.25, 0.62, 0.16 |
| HSL | 35°, 62%, 58% |
| HSV | 35°, 62%, 84% |
| XYZ | 41.8254, 40.0469, 13.5080 |
| YIQ | 167.2540, 57.2220, -12.8100 |

Conversions

Conversions Part 2

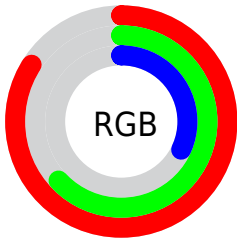
| Format | Color |
|-------------------------------------|--|
| RYB | 173, 214, 82 |
| Decimal | 14065746 |
| CIELab | 69.50, 11.76, 47.67 |
| CIELCh | 70, 49.100, 76.139 |
| Yxy | 40.0469, 0.4385, 0.4199 |
| Android (android.graphics.Color) | 4292255826 (0xFFD6A052) |
| YUV | 167.2540, -42.0302, 40.9962 |
| Hunter-Lab | 63.2826, 7.2315, 31.6421 |

Details

The XYZ color **41.8254, 40.0469, 13.5080** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **24.4211, 24.2563, 67.0130**, and the grayscale version is **37.0344, 38.9631, 42.4308**.

A 20% lighter version of the original color is **69.8435, 71.5821, 32.6898**, and **19.4263, 18.1041, 3.7669** is the 20% darker color. If you saturate the color by 10%, you get **39.6703, 36.8431, 9.3795**, and if you desaturate by 10%, it is **44.3432, 43.5699, 19.0107**.

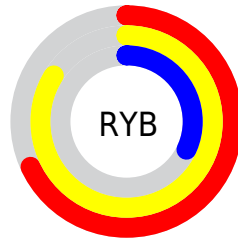
Distribution



Red (84%)

Green (63%)

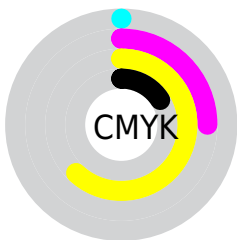
Blue (32%)



Red (68%)

Yellow (84%)

Blue (32%)

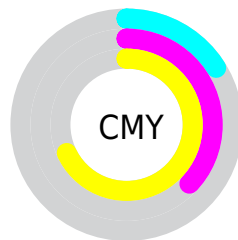


Cyan (0%)

Magenta (25%)

Yellow (62%)

Black (16%)



Cyan (16%)

Magenta (37%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8254, 40.0469, 13.5080 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 41.8254, 40.0469, 13.5080 by changing the saturation by 10% instead.

41.8254, 40.0469,
13.5080

41.8254, 40.0469,
13.5080

344.7626,
346.3212, 225.4692

29.1551, 27.5751,
7.6445

77.2021, 75.2349,
32.9179

19.3431, 18.0056,
3.7838

100.6393, 98.7200,
47.3014

12.0239, 10.9540,
1.5075

128.3961,
126.6449, 65.3619

6.8323, 6.0359,
0.2235

160.8379,
159.3940, 87.5180

3.4028, 2.8669,
0.0000

198.3301,
197.3518, 114.1883

1.3702, 1.0627,
0.0000

241.2381,

0.2348, 0.0000,

240.9027, 145.7912

0.0000

289.9271,
290.4310, 182.7453

■ 0.0000, 0.0000,
0.0000

■ 41.8254, 40.0469,
13.5080

■ 41.8254, 40.0469,
13.5080

■ 39.6703, 36.8431,
9.3795

■ 44.3432, 43.5699,
19.0107

■ 37.8483, 33.9385,
6.4930

■ 47.2442, 47.4191,
25.9986

■ 36.3289, 31.3187,
4.6942

■ 50.5507, 51.6081,
34.5737

■ 35.2516, 29.3363,
3.8045

■ 54.2821, 56.1479,
44.8284

■ 58.4563, 61.0489,
56.8479

■ 63.0903, 66.3208,
70.7117

■ 68.1998, 71.9730,
86.4942

■ 73.8001, 78.0143,
104.2659

■ 76.5864, 83.1259,
106.6161

Harmonies

Analogous

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



49.6077, 40.0469, 19.1300



41.8254, 40.0469, 13.5080



33.9892, 40.0469, 13.7143

Triad

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



41.8254, 40.0469, 13.5080



25.2403, 40.0469, 56.8712



50.1198, 40.0469, 81.2967

Complementary

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



41.8254, 40.0469, 13.5080



24.4211, 24.2563, 67.0130

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.



42.4507, 40.0469, 100.2742



41.8254, 40.0469, 13.5080



28.4653, 40.0469, 83.1667

Square

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



41.8254, 40.0469, 13.5080



25.1214, 40.0469, 33.9774



34.5340, 40.0469, 101.0575



54.8263, 40.0469, 54.8967

Rectangle

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



41.8254, 40.0469, 13.5080



29.7779, 40.0469, 17.0342



34.5340, 40.0469, 101.0575



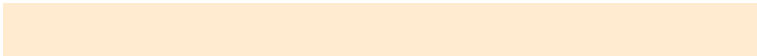
47.7587, 40.0469, 89.1027

Sweetspot

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



41.8263, 40.0489, 13.5088



82.2078, 85.2635, 70.8681



35.2644, 22.1372, 26.0816



17.2284, 17.8125, 14.1288



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.



41.8263, 40.0489, 13.5088



58.1151, 53.4226, 12.4494



50.1982, 61.3988, 17.1885



13.0271, 13.6284, 13.1047



21.4120, 17.9413, 2.3345



1.3720, 1.2431, 0.1676

Inverse Universe

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



24.4211, 24.2563, 67.0130



30.2130, 28.1807, 98.4548



19.6694, 13.2172, 65.1327



12.1556, 12.8346, 15.7742



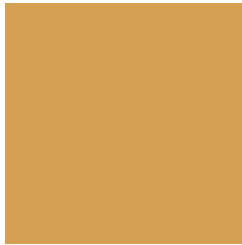
9.5195, 7.3008, 39.3606



0.6545, 0.6010, 2.4008

Previews

White Background



This preview shows how the XYZ color 41.8254, 40.0469, 13.5080 looks on a white background.

Color Contrast Check

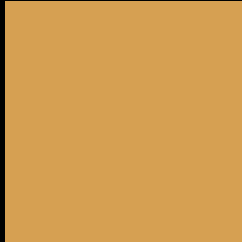
Large Text (above 18pt) WCAG AA × Fail

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 41.8254, 40.0469, 13.5080 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 41.8254, 40.0469, 13.5080

Background



This preview shows how black text looks on a background with the XYZ color 41.8254, 40.0469, 13.5080.



This preview shows how white text looks on a background with the XYZ color 41.8254, 40.0469,

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

41.8254, 40.0469, 13.5080

Protanopia

36.7535, 40.0967, 14.3967

Deuteranopia

41.0217, 40.1515, 13.5706



Tritanopia

47.1034, 39.9575, 39.4124

Trichromacy



Original Color

41.8254, 40.0469, 13.5080

Protanomaly

38.2624, 39.7828, 14.0497

Deuteranomaly

41.1318, 39.9478, 13.5255

Tritanomaly

44.7027, 39.7101, 27.4990

Monochromacy



Original Color

41.8254, 40.0469, 13.5080

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

37.4866, 38.5188, 28.7517

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8254, 40.0469, 13.5080 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(214, 160, 82)` looks like.

```
.text, #text, p{  
    color:rgb(214, 160, 82)  
}
```

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(214, 160, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 160, 82) }
```

Border

The CSS property to change the border of an element to XYZ 41.8254, 40.0469, 13.5080 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(214, 160, 82) }
```


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

```
.border{ border-color:rgb(214, 160, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 160, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 160, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 160, 82);  
box-shadow:4px 4px 4px 4px rgb(214, 160,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8254, 40.0469, 13.5080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 160, 82) }
```

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

```
.background{ background-color: rgb(214,  
160, 82) }
```

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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