

Converting Colors

XYZ(42.6775, 47.0667, 14.5377)

Have a look what the booklet for
XYZ(42.6775, 47.0667, 14.5377)
contains.

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Color

**XYZ(42.5061, 46.8786,
14.5927)**

Conversions

Conversions Part 1

Format	Color
Hex	C9B751
RGB	201, 183, 81
RGB Percent	79%, 72%, 32%
CMY	0.2118, 0.2823, 0.6823
CMYK	0.00, 0.09, 0.60, 0.21
HSL	51°, 53%, 55%
HSV	51°, 60%, 79%
XYZ	42.5061, 46.8786, 14.5927
YIQ	176.7540, 43.4700, -27.9060

Conversions

Conversions Part 2

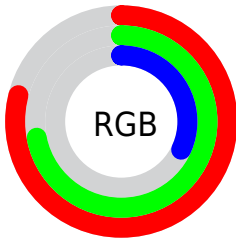
Format	Color
RYB	102, 201, 81
Decimal	13219665
CIELab	74.11, -6.05, 53.02
CIELCh	74, 53.360, 96.513
Yxy	46.8786, 0.4088, 0.4509
Android (android.graphics.Color)	4291409745 (0xFFC9B751)
YUV	176.7540, -47.2067, 21.2637
Hunter-Lab	68.4679, -9.0030, 35.2910

Details

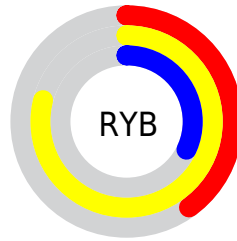
The XYZ color **42.5061, 46.8786, 14.5927** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted orange. A complement of this color would be **18.3977, 14.8896, 57.1624**, and the grayscale version is **41.8858, 44.0671, 47.9891**.

A 20% lighter version of the original color is **76.4096, 84.7142, 34.8785**, and **19.6821, 21.9737, 4.2409** is the 20% darker color. If you saturate the color by 10%, you get **41.2465, 45.3924, 10.9888**, and if you desaturate by 10%, it is **44.0043, 48.4851, 19.3776**.

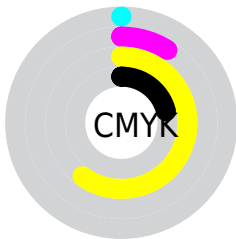
Distribution



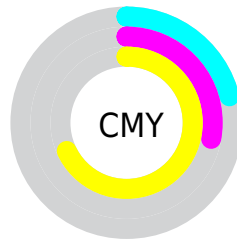
- Red (79%)
- Green (72%)
- Blue (32%)



- Red (40%)
- Yellow (79%)
- Blue (32%)



- Cyan (0%)
- Magenta (9%)
- Yellow (60%)
- Black (21%)



- Cyan (21%)
- Magenta (28%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5061, 46.8786, 14.5927 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 42.5061, 46.8786, 14.5927 by changing the saturation by 10% instead.

■ 42.5061, 46.8786,
14.5927

■ 42.5061, 46.8786,
14.5927

347.5327,
374.3297, 232.4427

■ 29.6906, 32.9397,
8.3906

■ 78.2254, 85.5324,
34.8692

■ 19.7508, 22.0803,
4.2546

■ 101.8599,
111.0160, 49.7807

■ 12.3212, 13.9159,
1.7660

■ 129.8315,
141.1168, 68.4323

■ 7.0366, 8.0622,
0.4054

■ 162.5055,
176.2189, 91.2428

■ 3.5315, 4.1348,
0.0000

■ 200.2472,
216.7069, 118.6305

■ 1.4407, 1.7492,
0.0000

243.4221,

■ 0.2849, 0.4552,

262.9651, 151.0140

0.0000

292.3955,
315.3779, 188.8119

■ 0.0000, 0.0000,
0.0000

■ 42.5061, 46.8786,
14.5927

■ 42.5061, 46.8786,
14.5927

■ 41.2465, 45.3924,
10.9888

■ 44.0043, 48.4851,
19.3776

■ 40.2017, 44.0115,
8.4560

■ 45.7557, 50.2126,
25.4348

■ 39.3488, 42.7284,
6.8686

■ 47.7777, 52.0698,
32.8498

■ 38.6439, 41.5254,
5.9958

■ 50.0848, 54.0628,
41.7001

■ 38.6235, 41.4899,
5.9727

■ 52.6909, 56.1972,
52.0569

■ 55.6086, 58.4782,
63.9872

■ 58.8498, 60.9106,
77.5535

■ 62.4261, 63.4993,
92.8153

■ 65.2165, 65.7960,
103.8704

Harmonies

Analogous

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



52.2833, 46.8786, 16.4067



42.5061, 46.8786, 14.5927



34.4992, 46.8786, 19.3680

Triad

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



42.5061, 46.8786, 14.5927



31.3672, 46.8786, 89.1651



63.6099, 46.8786, 75.0027

Complementary

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



42.5061, 46.8786, 14.5927



18.3977, 14.8896, 57.1624

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.



56.4005, 46.8786, 106.0532



42.5061, 46.8786, 14.5927



37.6315, 46.8786, 116.0657

Square

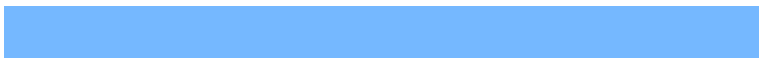
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



42.5061, 46.8786, 14.5927



28.6888, 46.8786, 57.2435



46.6722, 46.8786, 123.1529



65.4052, 46.8786, 45.3069

Rectangle

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



42.5061, 46.8786, 14.5927



30.9292, 46.8786, 27.1768



46.6722, 46.8786, 123.1529



61.6937, 46.8786, 85.9062

Sweetspot

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



42.5072, 46.8808, 14.5937



86.3644, 93.0752, 73.8000



29.2822, 19.2036, 13.9683



18.2202, 19.6989, 14.7595



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.



42.5072, 46.8808, 14.5937



69.9876, 76.9148, 17.1861



36.6701, 49.7382, 15.4528



11.3832, 12.1355, 11.3052



24.3384, 26.1940, 3.7732



1.1902, 1.3159, 0.1913

Inverse Universe

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



18.3977, 14.8896, 57.1624



25.1333, 17.4855, 96.6581



21.6538, 14.3134, 56.8796



10.1829, 10.5399, 13.4152



6.9653, 3.3244, 35.0189



0.3720, 0.2418, 1.6722

Previews

White Background



This preview shows how the XYZ color 42.5061, 46.8786, 14.5927 looks on a white background.

Color Contrast Check

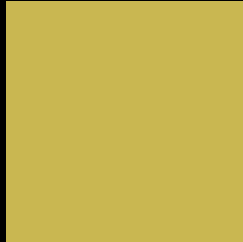
Large Text (above 18pt) WCAG AA × Fail

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 42.5061, 46.8786, 14.5927 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 42.5061, 46.8786, 14.5927

Background



This preview shows how black text looks on a background with the XYZ color 42.5061, 46.8786, 14.5927.



This preview shows how white text looks on a background with the XYZ color 42.5061, 46.8786,

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

42.5061, 46.8786, 14.5927

Protanopia

42.7758, 47.0176, 14.6054

Deuteranopia

47.5951, 46.5348, 14.8611



Tritanopia

50.0878, 46.7095, 52.2749

Trichromacy



Original Color

42.5061, 46.8786, 14.5927

Protanomaly

42.7758, 47.0176, 14.6054

Deuteranomaly

45.6024, 46.6677, 14.7879

Tritanomaly

46.5239, 46.4227, 34.1122

Monochromacy



Original Color

42.5061, 46.8786, 14.5927

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

41.2523, 44.6323, 32.0319

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5061, 46.8786, 14.5927 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(201, 183, 81)` looks like.

```
.text, #text, p{  
    color:rgb(201, 183, 81)  
}
```

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(201, 183, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 183, 81) }
```

Border

The CSS property to change the border of an element to XYZ 42.5061, 46.8786, 14.5927 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(201, 183, 81) }
```


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

```
.border{ border-color:rgb(201, 183, 81) }
```

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

Here you see how a box with a 4 pixel rgb(201, 183, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 183, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 183, 81);  
box-shadow:4px 4px 4px 4px rgb(201, 183,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5061, 46.8786, 14.5927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 183, 81) }
```

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

```
.background{ background-color: rgb(201,  
183, 81) }
```

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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