

# Converting Colors

XYZ(42.9360, 42.4577, 25.8395)

Have a look what the booklet for  
XYZ(42.9360, 42.4577, 25.8395)  
contains.

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# **Color**

**XYZ(42.9454, 42.4908,  
25.6767)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CDA87E
RGB	205, 168, 126
RGB Percent	80%, 66%, 49%
CMY	0.1961, 0.3412, 0.5059
CMYK	0.00, 0.18, 0.39, 0.20
HSL	32°, 44%, 65%
HSV	32°, 39%, 80%
XYZ	42.9454, 42.4908, 25.6767
YIQ	174.2750, 35.5340, -5.2180

# Conversions

## Conversions Part 2

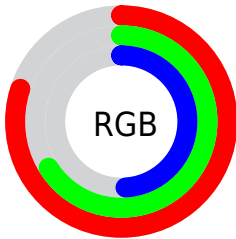
<b>Format</b>	<b>Color</b>
<b>RYB</b>	196, 205, 126
Decimal	13478014
CIELab	71.21, 7.78, 26.80
CIElCh	71, 27.901, 73.814
Yxy	42.4908, 0.3865, 0.3824
Android (android.graphics.Color)	4291668094 (0xFFCDA87E)
YUV	174.2750, -23.7996, 26.9458
Hunter-Lab	65.1850, 3.5263, 22.2748

# Details

The XYZ color **42.9454, 42.4908, 25.6767** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **32.7204, 35.0365, 62.7958**, and the grayscale version is **40.4803, 42.5884, 46.3787**.

A 20% lighter version of the original color is **75.7644, 77.2900, 53.5731**, and **19.9443, 19.4021, 9.5313** is the 20% darker color. If you saturate the color by 10%, you get **40.0486, 38.6016, 18.8402**, and if you desaturate by 10%, it is **46.2463, 46.7541, 33.9861**.

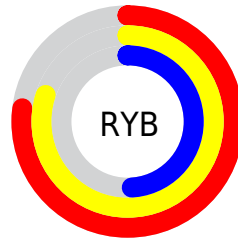
# Distribution



Red (80%)

Green (66%)

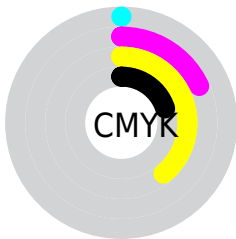
Blue (49%)



Red (77%)

Yellow (80%)

Blue (49%)

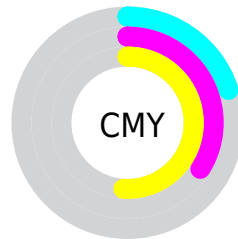


Cyan (0%)

Magenta (18%)

Yellow (39%)

Black (20%)



Cyan (20%)

Magenta (34%)


Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.9454, 42.4908, 25.6767 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 42.9454, 42.4908, 25.6767 by changing the saturation by 10% instead.




 42.9454, 42.4908,  
25.6767

 42.9454, 42.4908,  
25.6767


349.3125,  
356.5135, 294.7462


 30.0366, 29.4858,  
16.3583


 78.8847, 78.9419,  
53.7306

 20.0146, 19.4486,  
9.6210


 102.6459,  
103.1568, 73.3032

 12.5140, 11.9949,  
5.0461


 130.7553,  
131.8771, 97.1310

 7.1694, 6.7402,  
2.2151

163.5782,  
165.4871, 125.6324

 3.6155, 3.3002,  
0.6831

201.4801,  
204.3714, 159.2262

 1.4870, 1.2904,  
0.0000

244.8261,

 0.3170, 0.1337,

248.9143, 198.3307

0.0000

293.9818,  
299.5002, 243.3645

■ 0.0000, 0.0000,  
0.0000

■ 42.9454, 42.4908,  
25.6767

■ 42.9454, 42.4908,  
25.6767

■ 40.0486, 38.6016,  
18.8402

■ 46.2463, 46.7541,  
33.9861

■ 37.5333, 35.0684,  
13.3853

■ 49.9660, 51.3971,  
43.8471

■ 35.3790, 31.8798,  
9.2144


■ 54.1224, 56.4328,  
55.3357


■ 33.5617, 29.0214,  
6.2158


■ 58.7313, 61.8715,  
68.5224


■ 32.0537, 26.4772,  
4.2584


■ 63.8075, 67.7231,  
83.4732


 30.8130, 24.2252,  
3.1381

 69.3652, 73.9973,  
100.2507

 30.6454, 23.9163,  
3.0011

 72.9941, 79.7337,  
106.1507

 75.8206, 85.3865,  
107.0928

 78.7976, 91.3407,  
108.0852

# Harmonies

## Analogous

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



47.2294, 42.4908, 30.6269



42.9454, 42.4908, 25.6767



38.2768, 42.4908, 25.4907

# Triad

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



42.9454, 42.4908, 25.6767



32.2676, 42.4908, 52.6913



46.9377, 42.4908, 67.4500

# Complementary

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



42.9454, 42.4908, 25.6767



32.7204, 35.0365, 62.7958

# 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.



42.5717, 42.4908, 76.0535



42.9454, 42.4908, 25.6767



34.2382, 42.4908, 66.4851

# Square

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



42.9454, 42.4908, 25.6767



32.3506, 42.4908, 39.4506



37.9308, 42.4908, 75.6697



49.6531, 42.4908, 53.8227



# Rectangle

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



42.9454, 42.4908, 25.6767



35.5855, 42.4908, 27.9959



37.9308, 42.4908, 75.6697



45.6004, 42.4908, 71.1331

# Sweetspot

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



42.9465, 42.4928, 25.6776



86.1066, 89.3790, 83.5193



39.3554, 30.5882, 39.0391



18.2361, 18.8959, 17.3383



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.



42.9465, 42.4928, 25.6776



66.4760, 64.4268, 32.8630



50.4125, 57.9618, 28.2699



11.6979, 12.1847, 11.8148



19.1739, 15.0808, 1.9003



1.0647, 0.9291, 0.1232



# Inverse Universe

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



32.7204, 35.0365, 62.7958



47.4702, 50.5747, 101.8677



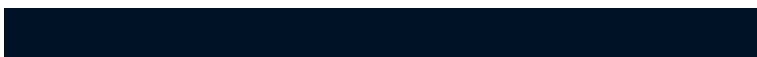
27.2803, 23.8664, 60.9265



11.0276, 11.6957, 14.2466



9.5575, 8.1389, 37.0235



0.5688, 0.5713, 1.9352



# Previews

## White Background



This preview shows how the XYZ color 42.9454, 42.4908, 25.6767 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

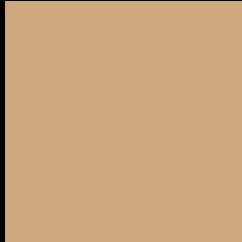
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.9454, 42.4908, 25.6767 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

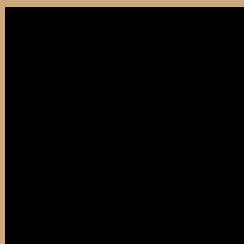
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 42.9454, 42.4908, 25.6767**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.9454, 42.4908, 25.6767.



This preview shows how white text looks on a background with the XYZ color 42.9454, 42.4908,

25.6767.

# 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

42.9454, 42.4908, 25.6767

### Protanopia

39.5920, 42.4219, 26.8704

### Deuteranopia

43.3167, 42.4092, 25.6414



## Tritanopia

47.1387, 42.5983, 45.7822

# Trichromacy



## Original Color

42.9454, 42.4908, 25.6767

## Protanomaly

40.8969, 42.5329, 26.4762

## Deuteranomaly

43.0382, 42.2656, 25.6284

## Tritanomaly

45.3737, 42.3951, 37.6899

# Monochromacy



## Original Color

42.9454, 42.4908, 25.6767

## Achromatopsia

40.2316, 42.3268, 46.0938

## Achromatomaly

40.8459, 42.2537, 37.9012

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.9454, 42.4908, 25.6767 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(205, 168, 126)` looks like.

```
.text, #text, p{  
    color:rgb(205, 168, 126)  
}
```

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(205, 168, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 168, 126) }
```

## Border

The CSS property to change the border of an element to XYZ 42.9454, 42.4908, 25.6767 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(205, 168, 126) }
```



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

```
.border{ border-color:rgb(205, 168, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 168, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 168, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 168, 126);  
box-shadow:4px 4px 4px 4px rgb(205, 168,  
126) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.9454, 42.4908, 25.6767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 168, 126) }
```

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

```
.background{ background-color: rgb(205,  
168, 126) }
```

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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