

Converting Colors

XYZ(45.8342, 49.0405, 25.5976)

Have a look what the booklet for
XYZ(45.8342, 49.0405, 25.5976)
contains.

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Color

**XYZ(45.7637, 48.9404,
25.4468)**

Conversions

Conversions Part 1

Format	Color
Hex	CCB97A
RGB	204, 185, 122
RGB Percent	80%, 73%, 48%
CMY	0.2000, 0.2745, 0.5216
CMYK	0.00, 0.09, 0.40, 0.20
HSL	46°, 45%, 64%
HSV	46°, 40%, 80%
XYZ	45.7637, 48.9404, 25.4468
YIQ	183.4990, 31.5470, -15.5650

Conversions

Conversions Part 2

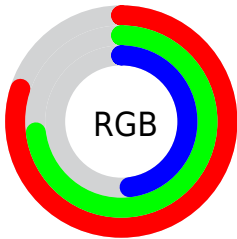
Format	Color
RYB	147, 204, 122
Decimal	13416826
CIELab	75.41, -2.14, 34.42
CIELCh	75, 34.484, 93.553
Yxy	48.9404, 0.3809, 0.4073
Android (android.graphics.Color)	4291606906 (0xFFCCB97A)
YUV	183.4990, -30.3190, 17.9794
Hunter-Lab	69.9574, -5.6570, 27.4036

Details

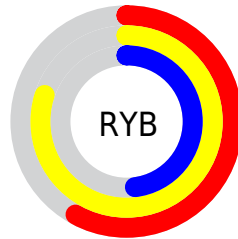
The XYZ color **45.7637, 48.9404, 25.4468** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **28.4499, 27.5463, 60.9444**, and the grayscale version is **45.4343, 47.8004, 52.0547**.

A 20% lighter version of the original color is **80.4332, 87.2657, 53.1621**, and **21.6337, 23.2663, 9.4815** is the 20% darker color. If you saturate the color by 10%, you get **43.6582, 46.5443, 19.1500**, and if you desaturate by 10%, it is **48.1698, 51.5129, 33.1539**.

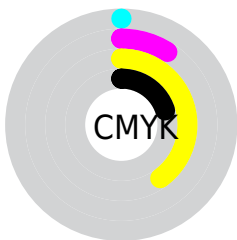
Distribution



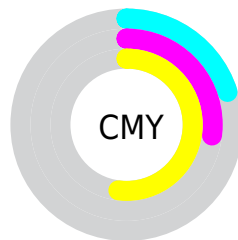
- Red (80%)
- Green (73%)
- Blue (48%)



- Red (58%)
- Yellow (80%)
- Blue (48%)



- Cyan (0%)
- Magenta (9%)
- Yellow (40%)
- Black (20%)



- Cyan (20%)
- Magenta (27%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.7637, 48.9404, 25.4468 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 45.7637, 48.9404, 25.4468 by changing the saturation by 10% instead.

■ 45.7637, 48.9404,
25.4468

■ 45.7637, 48.9404,
25.4468

360.5897,
382.5076, 293.5744

■ 32.2632, 34.5722,
16.1882

■ 83.0953, 88.6029,
53.3542

■ 21.7192, 23.3335,
9.5016

■ 107.6571,
114.6660, 72.8401

■ 13.7661, 14.8400,
4.9685

■ 136.6367,
145.3963, 96.5722

■ 8.0388, 8.7072,
2.1704

170.3995,
181.1780, 124.9690

■ 4.1718, 4.5507,
0.6572

209.3109,
222.3956, 158.4491

■ 1.7998, 1.9861,
0.0000

253.7361,

■ 0.5175, 0.5994,

269.4335, 197.4310

0.0000

304.0406,
322.6760, 242.3332

■ 0.0000, 0.0000,
0.0000

■ 45.7637, 48.9404,
25.4468

■ 45.7637, 48.9404,
25.4468

■ 43.6582, 46.5443,
19.1500

■ 48.1698, 51.5129,
33.1539

■ 41.8327, 44.3104,
14.1723

■ 50.8886, 54.2618,
42.3489

■ 40.2693, 42.2331,
10.4163


■ 53.9356, 57.1955,
53.1072


■ 38.9466, 40.3030,
7.7701


■ 57.3243, 60.3200,
65.4984


■ 37.8390, 38.5095,
6.1006

■ 61.0674, 63.6407,
79.5878

 36.9154, 36.8645,
5.1699

 65.1769, 67.1630,
95.4370

 68.0454, 70.2444,
104.5799

 69.2891, 72.7317,
104.9944

 70.5680, 75.2896,
105.4208

Harmonies

Analogous

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



52.1704, 48.9404, 27.7058



45.7637, 48.9404, 25.4468



40.0876, 48.9404, 29.1310

Triad

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



45.7637, 48.9404, 25.4468



37.0628, 48.9404, 75.0513



58.3302, 48.9404, 70.4326

Complementary

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



45.7637, 48.9404, 25.4468



28.4499, 27.5463, 60.9444

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.



53.5982, 48.9404, 88.0741



45.7637, 48.9404, 25.4468



41.2864, 48.9404, 91.1388

Square

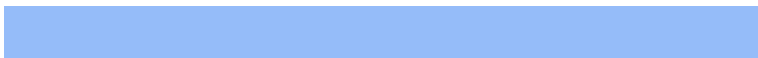
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



45.7637, 48.9404, 25.4468



35.3608, 48.9404, 55.4846



47.2773, 48.9404, 96.3749



59.8014, 48.9404, 51.1497

Rectangle

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



45.7637, 48.9404, 25.4468



37.3678, 48.9404, 35.0927



47.2773, 48.9404, 96.3749



57.0482, 48.9404, 76.8845

Sweetspot

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



45.7649, 48.9427, 25.4478



88.2891, 93.7439, 84.2468



36.6794, 28.6841, 28.8553



18.7508, 19.9253, 17.5098



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.



45.7649, 48.9427, 25.4478



72.8183, 77.6870, 33.2028



44.4290, 54.5524, 26.6010



11.9250, 12.6389, 11.8905



23.3086, 23.3502, 3.2785



1.2575, 1.3148, 0.1875

Inverse Universe

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



28.4499, 27.5463, 60.9444



40.3967, 37.6478, 99.7454



29.3375, 24.1966, 60.2511



10.8092, 11.2587, 14.1738



7.5659, 4.1557, 36.3596



0.4501, 0.3339, 1.8957

Previews

White Background



This preview shows how the XYZ color 45.7637, 48.9404, 25.4468 looks on a white background.

Color Contrast Check

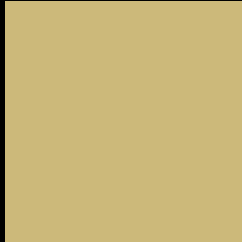
Large Text (above 18pt) WCAG AA × Fail

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 45.7637, 48.9404, 25.4468 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 45.7637, 48.9404, 25.4468

Background



This preview shows how black text looks on a background with the XYZ color 45.7637, 48.9404, 25.4468.



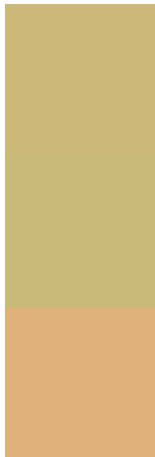
This preview shows how white text looks on a background with the XYZ color 45.7637, 48.9404,

25.4468.

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

45.7637, 48.9404, 25.4468

Protanopia

45.4289, 49.0795, 25.4913

Deuteranopia

49.9899, 48.9840, 25.8889



Tritanopia

51.8804, 49.0109, 55.4409

Trichromacy



Original Color

45.7637, 48.9404, 25.4468

Protanomaly

45.7004, 49.2195, 25.5040

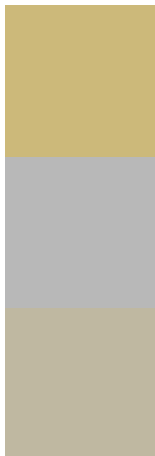
Deuteranomaly

48.4179, 49.0767, 25.6597

Tritanomaly

49.1252, 48.7690, 42.4215

Monochromacy



Original Color

45.7637, 48.9404, 25.4468

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

45.0594, 47.9306, 40.5949

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7637, 48.9404, 25.4468 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(204, 185, 122)` looks like.

```
.text, #text, p{  
    color:rgb(204, 185, 122)  
}
```

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(204, 185, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 185, 122) }
```

Border

The CSS property to change the border of an element to XYZ 45.7637, 48.9404, 25.4468 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(204, 185, 122) }
```


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

```
.border{ border-color:rgb(204, 185, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 185, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 185, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 185, 122);  
box-shadow:4px 4px 4px 4px rgb(204, 185,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7637, 48.9404, 25.4468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 185, 122) }
```

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

```
.background{ background-color: rgb(204,  
185, 122) }
```

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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