

Converting Colors

XYZ(45.6699, 48.7120, 25.5423)

Have a look what the booklet for
XYZ(45.6699, 48.7120, 25.5423)
contains.

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Color

**XYZ(45.5552, 48.5235,
25.3773)**

Conversions

Conversions Part 1

Format	Color
Hex	CCB87A
RGB	204, 184, 122
RGB Percent	80%, 72%, 48%
CMY	0.2000, 0.2784, 0.5216
CMYK	0.00, 0.10, 0.40, 0.20
HSL	45°, 45%, 64%
HSV	45°, 40%, 80%
XYZ	45.5552, 48.5235, 25.3773
YIQ	182.9120, 31.8220, -15.0420

Conversions

Conversions Part 2

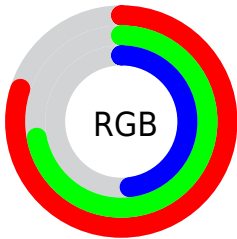
Format	Color
RYB	148, 204, 122
Decimal	13416570
CIELab	75.15, -1.61, 34.08
CIELCh	75, 34.119, 92.706
Yxy	48.5235, 0.3814, 0.4062
Android (android.graphics.Color)	4291606650 (0xFFCCB87A)
YUV	182.9120, -30.0296, 18.4942
Hunter-Lab	69.6588, -5.1682, 27.1613

Details

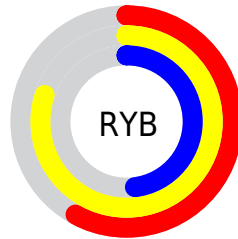
The XYZ color **45.5552, 48.5235, 25.3773** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **28.5979, 27.8423, 60.9936**, and the grayscale version is **45.1098, 47.4590, 51.6828**.

A 20% lighter version of the original color is **80.1380, 86.6753, 53.0637**, and **21.4987, 22.9964, 9.4365** is the 20% darker color. If you saturate the color by 10%, you get **43.4067, 46.0414, 19.0662**, and if you desaturate by 10%, it is **48.0078, 51.1889, 33.0998**.

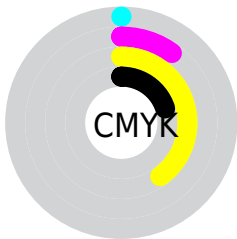
Distribution



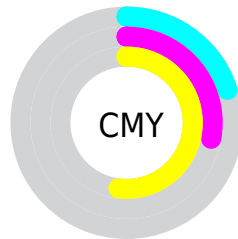
- Red (80%)
- Green (72%)
- Blue (48%)



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



- Cyan (0%)
- Magenta (10%)
- Yellow (40%)
- Black (20%)





- Cyan (20%)
- Magenta (28%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.5552, 48.5235, 25.3773 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 45.5552, 48.5235, 25.3773 by changing the saturation by 10% instead.


 45.5552, 48.5235,
25.3773

 45.5552, 48.5235,
25.3773


359.7635,
380.8634, 293.2193

 32.0981, 34.2416,
16.1368


 82.7849, 87.9833,
53.2403

 21.5924, 23.0793,
9.4656


 107.2882,
113.9301, 72.7000

 13.6726, 14.6521,
4.9452

 136.2042,
144.5340, 96.4031

 7.9735, 8.5756,
2.1569

169.8984,
180.1793, 124.7682

 4.1296, 4.4654,
0.6494

208.7360,
221.2505, 158.2138

 1.7757, 1.9372,
0.0000

253.0825,

 0.5030, 0.5706,

268.1320, 197.1585

0.0000

303.3032,
321.2082, 242.0208

■ 0.0000, 0.0000,
0.0000

■ 45.5552, 48.5235,
25.3773

■ 45.5552, 48.5235,
25.3773

■ 43.4067, 46.0414,
19.0662

■ 48.0078, 51.1889,
33.0998

■ 41.5416, 43.7284,
14.0753

■ 50.7765, 54.0378,
42.3115

■ 39.9421, 41.5787,
10.3073

■ 53.8771, 57.0786,
53.0877

■ 38.5865, 39.5828,
7.6500

■ 57.3230, 60.3175,
65.4979

■ 37.4492, 37.7300,
5.9707

■ 61.1270, 63.7600,
79.6075

■ 36.4997, 36.0332,
5.0314

■ 65.3011, 67.4116,
95.4782

■ 68.2380, 70.6297,
104.6441

■ 69.5539, 73.2615,
105.0827

■ 70.9089, 75.9715,
105.5344

Harmonies

Analogous

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



51.8519, 48.5235, 27.7752



45.5552, 48.5235, 25.3773



39.9280, 48.5235, 28.8469

Triad

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



45.5552, 48.5235, 25.3773



36.7309, 48.5235, 73.6926



57.6425, 48.5235, 70.2354

Complementary

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



45.5552, 48.5235, 25.3773



28.5979, 27.8423, 60.9936

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.



52.9215, 48.5235, 87.3991



45.5552, 48.5235, 25.3773



40.8271, 48.5235, 89.6912

Square

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



45.5552, 48.5235, 25.3773



35.1296, 48.5235, 54.4751



46.6897, 48.5235, 95.1972



59.1927, 48.5235, 51.2259

Rectangle

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



45.5552, 48.5235, 25.3773



37.2070, 48.5235, 34.6071



46.6897, 48.5235, 95.1972



56.3539, 48.5235, 76.5454

Sweetspot

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



45.5564, 48.5257, 25.3783



88.1745, 93.5149, 84.2086



36.7818, 28.7250, 29.3949



18.7238, 19.8712, 17.5008



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.



45.5564, 48.5257, 25.3783



72.4128, 76.8759, 33.0677



44.7535, 54.7197, 26.6162



11.9131, 12.6152, 11.8865



23.0494, 22.8317, 3.1921



1.2461, 1.2918, 0.1837

Inverse Universe

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



28.5979, 27.8423, 60.9936



40.6589, 38.1723, 99.8328



29.1004, 24.0744, 60.2398



10.8202, 11.2809, 14.1775



7.6329, 4.2899, 36.3820



0.4551, 0.3440, 1.8974

Previews

White Background



This preview shows how the XYZ color 45.5552, 48.5235, 25.3773 looks on a white background.

Color Contrast Check

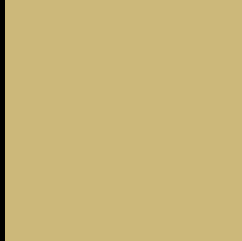
Large Text (above 18pt) WCAG AA × Fail

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 45.5552, 48.5235, 25.3773 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

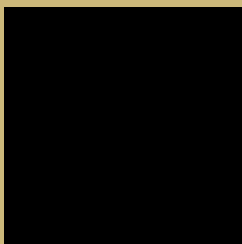
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.5552, 48.5235, 25.3773

Background



This preview shows how black text looks on a background with the XYZ color 45.5552, 48.5235, 25.3773.



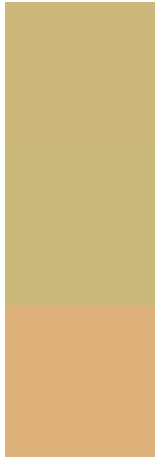
This preview shows how white text looks on a background with the XYZ color 45.5552, 48.5235,

25.3773.

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

45.5552, 48.5235, 25.3773

Protanopia

44.9492, 48.5206, 25.4087

Deuteranopia

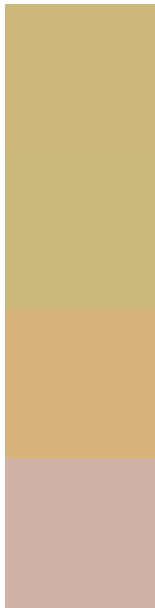
49.4215, 48.4039, 25.4770



Tritanopia

51.5746, 48.5737, 54.8015

Trichromacy



Original Color

45.5552, 48.5235, 25.3773

Protanomaly

45.2189, 48.6596, 25.4213

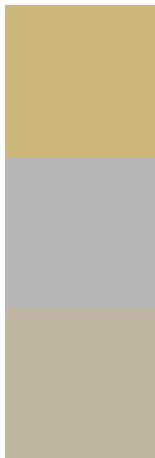
Deuteranomaly

47.9207, 48.5196, 25.5784

Tritanomaly

48.9241, 48.3667, 42.3544

Monochromacy



Original Color

45.5552, 48.5235, 25.3773

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

44.8524, 47.5165, 40.5259

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5552, 48.5235, 25.3773 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, 184, 122)` looks like.

```
.text, #text, p{  
    color:rgb(204, 184, 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, 184, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 184, 122) }
```

Border

The CSS property to change the border of an element to XYZ 45.5552, 48.5235, 25.3773 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, 184, 122) }
```


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

```
.border{ border-color:rgb(204, 184, 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, 184, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 184, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 184, 122);  
box-shadow:4px 4px 4px 4px rgb(204, 184,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5552, 48.5235, 25.3773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 184, 122) }
```

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

```
.background{ background-color: rgb(204,  
184, 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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