

# Converting Colors

XYZ(46.2207, 48.1320, 25.3972)

Have a look what the booklet for  
XYZ(46.2207, 48.1320, 25.3972)  
contains.

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# **Color**

**XYZ(46.2532, 48.2709,  
25.2918)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D0B67A
RGB	208, 182, 122
RGB Percent	82%, 71%, 48%
CMY	0.1843, 0.2863, 0.5216
CMYK	0.00, 0.12, 0.41, 0.18
HSL	42°, 48%, 65%
HSV	42°, 41%, 82%
XYZ	46.2532, 48.2709, 25.2918
YIQ	182.9340, 34.7560, -13.1480

# Conversions

## Conversions Part 2

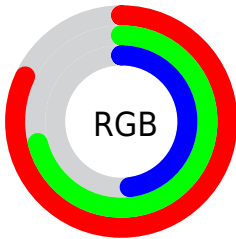
<b>Format</b>	<b>Color</b>
<b>RYB</b>	159, 208, 122
Decimal	13678202
CIELab	75.00, 1.06, 33.95
CIELCh	75, 33.962, 88.211
Yxy	48.2709, 0.3860, 0.4029
Android (android.graphics.Color)	4291868282 (0xFFD0B67A)
YUV	182.9340, -30.0405, 21.9829
Hunter-Lab	69.4773, -2.7521, 27.0508

# Details

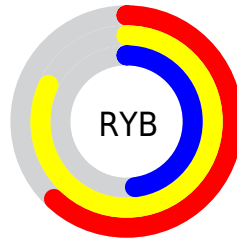
The XYZ color **46.2532, 48.2709, 25.2918** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **30.0008, 29.8705, 63.8588**, and the grayscale version is **45.1207, 47.4705, 51.6954**.

A 20% lighter version of the original color is **79.5524, 85.5042, 52.8685**, and **21.9689, 22.8438, 9.3823** is the 20% darker color. If you saturate the color by 10%, you get **43.8414, 45.2937, 18.7957**, and if you desaturate by 10%, it is **49.0011, 51.4786, 33.2618**.

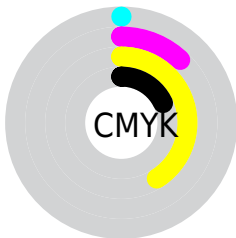
# Distribution



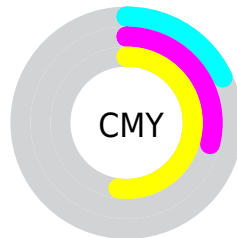
- Red (82%)
- Green (71%)
- Blue (48%)



- Red (62%)
- Yellow (82%)
- Blue (48%)



- Cyan (0%)
- Magenta (12%)
- Yellow (41%)
- Black (18%)




- Cyan (18%)
- Magenta (29%)
- Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.2532, 48.2709, 25.2918 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 46.2532, 48.2709, 25.2918 by changing the saturation by 10% instead.





 46.2532, 48.2709,  
25.2918

 46.2532, 48.2709,  
25.2918


362.5246,  
379.8649, 292.7821


 32.6511, 34.0415,  
16.0736


 83.8234, 87.6076,  
53.1002

 22.0173, 22.9255,  
9.4213


 108.5222,  
113.4837, 72.5275

 13.9863, 14.5385,  
4.9165


 137.6506,  
144.0107, 96.1948

 8.1928, 8.4961,  
2.1404

171.5740,  
179.5732, 124.5208

 4.2714, 4.4140,  
0.6397

210.6577,  
220.5555, 157.9240

 1.8568, 1.9077,  
0.0000

255.2672,

 0.5515, 0.5530,

267.3419, 196.8229

0.0000

305.7677,  
320.3169, 241.6361

■ 0.0000, 0.0000,  
0.0000

■ 46.2532, 48.2709,  
25.2918

■ 46.2532, 48.2709,  
25.2918

■ 43.8414, 45.2937,  
18.7957

■ 49.0011, 51.4786,  
33.2618

■ 41.7435, 42.5316,  
13.6768

■ 52.0984, 54.9180,  
42.7881

■ 39.9402, 39.9774,  
9.8313

■ 55.5619, 58.5987,  
53.9509

■ 38.4080, 37.6205,  
7.1395

■ 59.4064, 62.5278,  
66.8235

■ 37.1190, 35.4484,  
5.4582

■ 63.6455, 66.7118,  
81.4751

■ 36.1573, 33.6998,  
4.5990

■ 68.2923, 71.1570,  
97.9708

■ 71.2630, 75.0311,  
105.3342

■ 73.0043, 78.5138,  
105.9147

■ 74.8090, 82.1231,  
106.5162

# Harmonies

## Analogous

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



52.4493, 48.2709, 28.5571



46.2532, 48.2709, 25.2918



40.4736, 48.2709, 27.8532

# Triad

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



46.2532, 48.2709, 25.2918



36.1585, 48.2709, 70.4014



56.7743, 48.2709, 72.6685

# Complementary

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



46.2532, 48.2709, 25.2918



30.0008, 29.8705, 63.8588

# 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.



51.7477, 48.2709, 88.7400



46.2532, 48.2709, 25.2918



39.8836, 48.2709, 87.2373

# Square

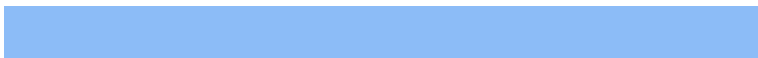
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



46.2532, 48.2709, 25.2918



34.9689, 48.2709, 51.5002



45.5089, 48.2709, 94.5893



58.8532, 48.2709, 53.6318



# Rectangle

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



46.2532, 48.2709, 25.2918



37.5552, 48.2709, 32.9363



45.5089, 48.2709, 94.5893



55.3523, 48.2709, 78.7439

# Sweetspot

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



46.2544, 48.2731, 25.2928



87.6288, 92.4234, 84.0267



38.4157, 29.5069, 32.2028



18.5949, 19.6134, 17.4579



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.



46.2544, 48.2731, 25.2928



69.7775, 72.1535, 30.4993



47.8662, 57.7538, 27.0378



12.4892, 13.1692, 12.4957



22.6237, 21.1804, 2.8958



1.3329, 1.3202, 0.1846



# Inverse Universe

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



30.0008, 29.8705, 63.8588



40.5204, 39.0572, 100.0109



28.7879, 23.8571, 62.7620



11.4509, 11.9920, 14.9548



8.2741, 5.1948, 37.7591

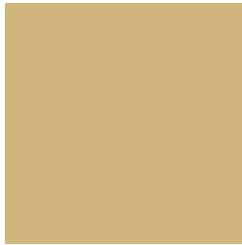


0.5323, 0.4298, 2.1345



# Previews

## White Background



This preview shows how the XYZ color 46.2532, 48.2709, 25.2918 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

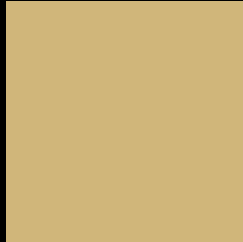
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.2532, 48.2709, 25.2918 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

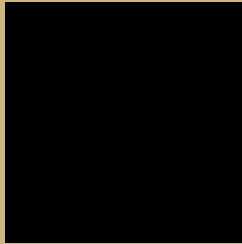
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 46.2532, 48.2709, 25.2918**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.2532, 48.2709, 25.2918.



This preview shows how white text looks on a background with the XYZ color 46.2532, 48.2709,



# 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

46.2532, 48.2709, 25.2918

### Protanopia

44.7435, 48.4073, 25.7242

### Deuteranopia

49.4215, 48.4039, 25.4770



## Tritanopia

52.1300, 48.3070, 53.5903

# Trichromacy



## Original Color

46.2532, 48.2709, 25.2918

## Protanomaly

45.3442, 48.4076, 25.6926

## Deuteranomaly

48.3105, 48.4220, 25.5390

## Tritanomaly

49.4844, 48.0857, 41.3237

# Monochromacy



## Original Color

46.2532, 48.2709, 25.2918

## Achromatopsia

45.0092, 47.3531, 51.5676

## Achromatomaly

45.1047, 47.6466, 40.5377

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.2532, 48.2709, 25.2918 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(208, 182, 122)` looks like.

```
.text, #text, p{  
    color:rgb(208, 182, 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(208, 182, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 182, 122) }
```

## Border

The CSS property to change the border of an element to XYZ 46.2532, 48.2709, 25.2918 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(208, 182, 122) }
```



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

```
.border{ border-color:rgb(208, 182, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 182, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 182, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 182, 122);  
box-shadow:4px 4px 4px 4px rgb(208, 182,  
122) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.2532, 48.2709, 25.2918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 182, 122) }
```

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

```
.background{ background-color: rgb(208,  
182, 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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