

# Converting Colors

XYZ(46.3869, 40.9335, 30.2674)

Have a look what the booklet for  
XYZ(46.3869, 40.9335, 30.2674)  
contains.

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# Color

**XYZ(46.4409, 41.0425,  
30.2852)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DD9C8C
RGB	221, 156, 140
RGB Percent	87%, 61%, 55%
CMY	0.1333, 0.3882, 0.4510
CMYK	0.00, 0.29, 0.37, 0.13
HSL	12°, 54%, 71%
HSV	12°, 37%, 87%
XYZ	46.4409, 41.0425, 30.2852
YIQ	173.6110, 43.8760, 8.8040

# Conversions

## Conversions Part 2

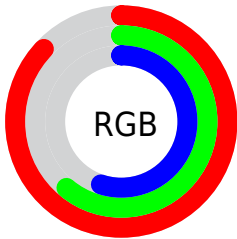
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	221, 160, 140
Decimal	14523532
CIE Lab	70.21, 22.24, 18.08
CIE LCh	70, 28.658, 39.109
Yxy	41.0425, 0.3943, 0.3485
Android (android.graphics.Color)	4292713612 (0xFFDD9C8C)
YUV	173.6110, -16.5702, 41.5602
Hunter-Lab	64.0644, 17.2836, 16.8169

# Details

The XYZ color **46.4409, 41.0425, 30.2852** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **45.6969, 54.4566, 76.5094**, and the grayscale version is **40.1000, 42.1883, 45.9431**.

A 20% lighter version of the original color is **74.2719, 71.7436, 60.9723**, and **22.1056, 18.5313, 12.0847** is the 20% darker color. If you saturate the color by 10%, you get **42.2106, 34.9330, 21.6268**, and if you desaturate by 10%, it is **51.4351, 48.1557, 40.8137**.

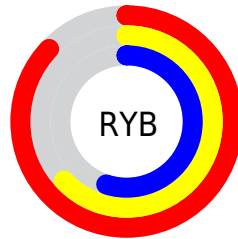
# Distribution



Red (87%)

Green (61%)

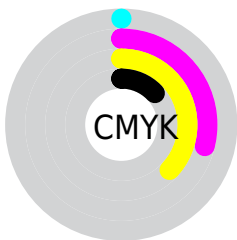
Blue (55%)



Red (87%)

Yellow (63%)

Blue (55%)

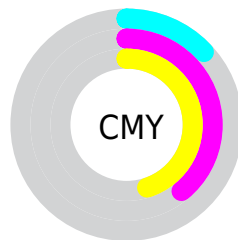


Cyan (0%)

Magenta (29%)

Yellow (37%)

Black (13%)



Cyan (13%)

Magenta (39%)


Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.4409, 41.0425, 30.2852 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 46.4409, 41.0425, 30.2852 by changing the saturation by 10% instead.





 46.4409, 41.0425,  
30.2852

 46.4409, 41.0425,  
30.2852


363.2647,  
350.4982, 317.4802


 32.8000, 28.3523,  
19.8013


 84.1023, 76.7484,  
61.1792

 22.1318, 18.5914,  
12.0680


 108.8535,  
100.5329, 82.4264

 14.0709, 11.3754,  
6.6669


 138.0388,  
128.7843, 108.0985

 8.2520, 6.3199,  
3.1794

172.0236,  
161.8869, 138.6139

 4.3098, 3.0406,  
1.1870

211.1732,  
200.2252, 174.3912

 1.8788, 1.1530,  
0.0000

255.8530,

 0.5645, 0.0228,

244.1836, 215.8490

0.0000

306.4284,  
294.1465, 263.4058

0.0000, 0.0000,  
0.0000

46.4409, 41.0425,  
30.2852

46.4409, 41.0425,  
30.2852

42.2106, 34.9330,  
21.6268

51.4351, 48.1557,  
40.8137

38.7025, 29.7760,  
14.7259

57.2256, 56.3092,  
53.3107

35.8758, 25.5244,  
9.4617

63.8470, 65.5449,  
67.8709

33.6839, 22.1249,  
5.6971

71.3306, 75.9007,  
84.5819

32.0742, 19.5181,  
3.2720

79.7062, 87.4125,  
103.5265

■ 30.9832, 17.6360,  
1.9836

■ 83.6288, 94.1122,  
108.3655

■ 30.7072, 17.1488,  
1.6916

# Harmonies

## Analogous

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



48.6178, 41.0425, 40.7197



46.4409, 41.0425, 30.2852



42.3176, 41.0425, 24.6271

# Triad

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



46.4409, 41.0425, 30.2852



31.1701, 41.0425, 36.0897



40.4561, 41.0425, 75.3799

# Complementary

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



46.4409, 41.0425, 30.2852



45.6969, 54.4566, 76.5094

# 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.



35.8788, 41.0425, 73.4504



46.4409, 41.0425, 30.2852



30.7589, 41.0425, 48.9068

# Square

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



46.4409, 41.0425, 30.2852



33.5886, 41.0425, 27.4815



32.4167, 41.0425, 63.0579



44.9847, 41.0425, 67.8971



# Rectangle

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



46.4409, 41.0425, 30.2852



39.1502, 41.0425, 23.5044



32.4167, 41.0425, 63.0579



38.8694, 41.0425, 75.8383

# Sweetspot

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



46.4420, 41.0445, 30.2860



84.0936, 84.7941, 84.5716



50.3560, 38.5922, 63.2833



17.7321, 17.7764, 17.5139



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.



46.4420, 41.0445, 30.2860



59.6324, 50.1363, 32.4415



54.1463, 56.4531, 32.8541



13.2633, 13.4660, 13.6257



17.9017, 10.0890, 1.0038



1.2207, 0.7754, 0.0853

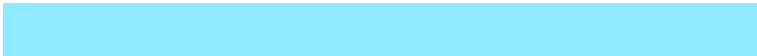


# Inverse Universe

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



45.6969, 54.4566, 76.5094



58.4341, 71.2238, 105.2755



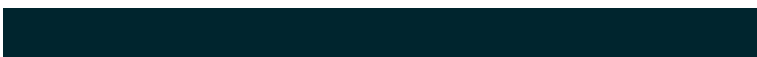
37.4394, 37.9417, 73.7570



13.2149, 14.3696, 16.7292



16.8343, 21.5380, 43.0084



1.1475, 1.5091, 2.8053



# Previews

## White Background



This preview shows how the XYZ color 46.4409, 41.0425, 30.2852 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

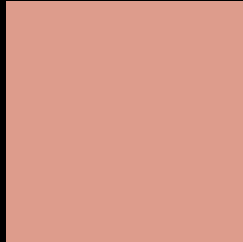
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.4409, 41.0425, 30.2852 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 46.4409, 41.0425, 30.2852**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.4409, 41.0425, 30.2852.



This preview shows how white text looks on a background with the XYZ color 46.4409, 41.0425,



# 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

46.4409, 41.0425, 30.2852

### Protanopia

39.1539, 41.4669, 33.9573

### Deuteranopia

41.8620, 41.0246, 29.7569



## Tritanopia

48.3605, 40.8248, 40.4531

# Trichromacy



## Original Color

46.4409, 41.0425, 30.2852

## Protanomaly

41.5120, 41.0525, 32.5241

## Deuteranomaly

43.5930, 41.1146, 30.0644

## Tritanomaly

47.4318, 40.6786, 36.3622

# Monochromacy



## Original Color

46.4409, 41.0425, 30.2852

## Achromatopsia

40.2316, 42.3268, 46.0938

## Achromatomaly

41.8262, 41.3224, 39.9540

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.4409, 41.0425, 30.2852 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(221, 156, 140)` looks like.

```
.text, #text, p{  
    color:rgb(221, 156, 140)  
}
```

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(221, 156, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 156, 140) }
```

## Border

The CSS property to change the border of an element to XYZ 46.4409, 41.0425, 30.2852 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(221, 156, 140) }
```



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

```
.border{ border-color:rgb(221, 156, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 156, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 156, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 156, 140);  
box-shadow:4px 4px 4px 4px rgb(221, 156,  
140) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.4409, 41.0425, 30.2852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 156, 140) }
```

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

```
.background{ background-color: rgb(221,  
156, 140) }
```

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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