

# Converting Colors

XYZ(48.7356, 40.7494, 44.3692)

Have a look what the booklet for  
XYZ(48.7356, 40.7494, 44.3692)  
contains.

<b>XYZ(48.6372, 40.6414, 44.3108)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(48.6372, 40.6414,  
44.3108)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DE97AC
RGB	222, 151, 172
RGB Percent	87%, 59%, 67%
CMY	0.1294, 0.4078, 0.3255
CMYK	0.00, 0.32, 0.23, 0.13
HSL	342°, 52%, 73%
HSV	342°, 32%, 87%
XYZ	48.6372, 40.6414, 44.3108
YIQ	174.6230, 35.5750, 21.5830

# Conversions

## Conversions Part 2

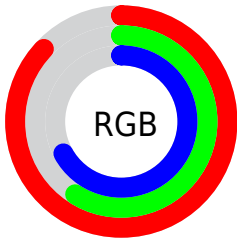
Format	Color
R <sub>Y</sub> B	222, 151, 172
Decimal	14587820
CIE Lab	69.92, 29.56, -0.07
CIE LCh	70, 29.565, 359.872
Yxy	40.6414, 0.3641, 0.3042
Android (android.graphics.Color)	4292777900 (0xFFDE97AC)
YUV	174.6230, -1.2931, 41.5496
Hunter-Lab	63.7506, 24.6193, 3.4150

# Details

The XYZ color **48.6372, 40.6414, 44.3108** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **49.4282, 63.0399, 64.8243**, and the grayscale version is **40.5474, 42.6590, 46.4557**.

A 20% lighter version of the original color is **77.1764, 70.9487, 82.2999**, and **23.5779, 18.3867, 20.0756** is the 20% darker color. If you saturate the color by 10%, you get **43.9808, 33.5917, 35.7811**, and if you desaturate by 10%, it is **54.1453, 49.1109, 53.9969**.

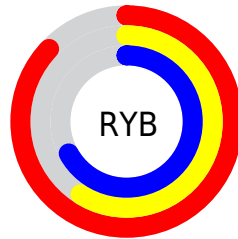
# Distribution



Red (87%)

Green (59%)

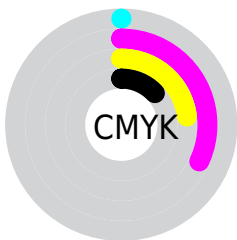
Blue (67%)



Red (87%)

Yellow (59%)

Blue (67%)

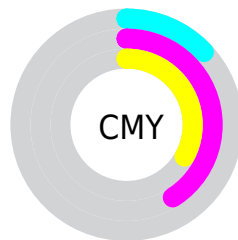


Cyan (0%)

Magenta (32%)

Yellow (23%)

Black (13%)



Cyan (13%)

Magenta (41%)


Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.6372, 40.6414, 44.3108 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 48.6372, 40.6414, 44.3108 by changing the saturation by 10% instead.





 48.6372, 40.6414,  
44.3108


 48.6372, 40.6414,  
44.3108


371.8530,  
348.8196, 380.0535

 34.5451, 28.0390,  
30.5759


 87.3563, 76.1392,  
82.9927

 23.4776, 18.3551,  
20.0204


 112.7141, 99.8034,  
108.7768

 15.0692, 11.2052,  
12.2256


142.5578,  
127.9237, 139.4143

 8.9546, 6.2050,  
6.7731

177.2529,  
160.8844, 175.3239

 4.7684, 2.9701,  
3.2443

217.1645,  
199.0700, 216.9241

 2.1454, 1.1162,  
1.2207

262.6582,

 0.7137, 0.0000,

242.8647, 264.6334

0.0000

314.0992,  
292.6532, 318.8703

■ 0.0000, 0.0000,  
0.0000

■ 48.6372, 40.6414,  
44.3108

■ 48.6372, 40.6414,  
44.3108

■ 43.9808, 33.5917,  
35.7811

■ 54.1453, 49.1109,  
53.9969

■ 40.1287, 27.8781,  
28.3606

■ 60.5423, 59.0667,  
64.8792

■ 37.0341, 23.4166,  
22.0023

■ 67.8674, 70.5778,  
76.9985

■ 34.6434, 20.1114,  
16.6546

■ 76.1563, 83.7072,  
90.3927

■ 32.8959, 17.8527,  
12.2611

■ 83.1671, 93.9628,  
104.3397

■ 31.7195, 16.5088,  
8.7586

■ 83.9343, 94.2697,  
108.3798

■ 31.0975, 15.9189,  
6.5343

# Harmonies

## Analogous

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



47.1945, 40.6414, 58.9260



48.6372, 40.6414, 44.3108



47.2182, 40.6414, 32.3243

# Triad

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



48.6372, 40.6414, 44.3108



34.2018, 40.6414, 25.0244



34.1688, 40.6414, 71.3485

# Complementary

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



48.6372, 40.6414, 44.3108



49.4282, 63.0399, 64.8243

# 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.



31.1492, 40.6414, 58.8020



48.6372, 40.6414, 44.3108



31.1671, 40.6414, 32.2412

# Square

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



48.6372, 40.6414, 44.3108



38.6491, 40.6414, 22.6938



30.0966, 40.6414, 44.1924



38.6078, 40.6414, 76.3837



# Rectangle

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



48.6372, 40.6414, 44.3108



44.9025, 40.6414, 26.9284



30.0966, 40.6414, 44.1924



32.9679, 40.6414, 67.7567

# Sweetspot

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



48.6383, 40.6433, 44.3116



84.6899, 83.6926, 91.8429



48.2598, 39.7852, 74.2433



17.8380, 17.4609, 19.1750



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.



48.6383, 40.6433, 44.3116



62.4275, 49.3253, 53.1074



49.2028, 44.7484, 35.3246



13.8732, 13.7669, 15.1023



18.5138, 9.4725, 4.1054



1.3218, 0.6720, 0.4873



# Inverse Universe

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



48.6383, 40.6433, 44.3116



62.4275, 49.3253, 53.1074



48.4559, 56.8688, 77.5304



13.8732, 13.7669, 15.1023



18.5138, 9.4725, 4.1054

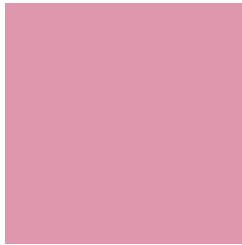


1.3218, 0.6720, 0.4873



# Previews

## White Background



This preview shows how the XYZ color 48.6372, 40.6414, 44.3108 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 48.6372, 40.6414, 44.3108 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

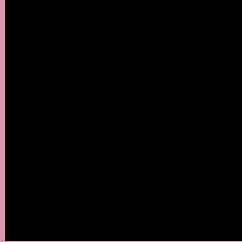
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 48.6372, 40.6414, 44.3108**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.6372, 40.6414, 44.3108.



This preview shows how white text looks on a background with the XYZ color 48.6372, 40.6414,



# 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

48.6372, 40.6414, 44.3108

### Protanopia

39.7166, 40.8263, 50.5867

### Deuteranopia

41.5367, 40.8284, 43.2276



## Tritanopia

47.7479, 40.5090, 40.4244

# Trichromacy



## Original Color

48.6372, 40.6414, 44.3108

## Protanomaly

42.4691, 40.3962, 48.2067

## Deuteranomaly

43.8200, 40.6714, 43.5710

## Tritanomaly

48.0221, 40.6186, 41.8684

# Monochromacy



## Original Color

48.6372, 40.6414, 44.3108

## Achromatopsia

40.7470, 42.8690, 46.6844

## Achromatomaly

43.0144, 41.5349, 45.7943

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.6372, 40.6414, 44.3108 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(222, 151, 172)` looks like.

```
.text, #text, p{  
    color:rgb(222, 151, 172)  
}
```

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(222, 151, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 151, 172) }
```

## Border

The CSS property to change the border of an element to XYZ 48.6372, 40.6414, 44.3108 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(222, 151, 172) }
```



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

```
.border{ border-color:rgb(222, 151, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 151, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 151, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 151, 172);  
box-shadow:4px 4px 4px 4px rgb(222, 151,  
172) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.6372, 40.6414, 44.3108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 151, 172) }
```

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

```
.background{ background-color: rgb(222,  
151, 172) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor