

# Converting Colors

XYZ(43.3333, 41.2486, 40.8575)

Have a look what the booklet for  
XYZ(43.3333, 41.2486, 40.8575)  
contains.

<b>XYZ(43.2650, 41.2370, 40.8012)</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(43.2650, 41.2370,  
40.8012)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6A4A4
RGB	198, 164, 164
RGB Percent	78%, 64%, 64%
CMY	0.2235, 0.3568, 0.3569
CMYK	0.00, 0.17, 0.17, 0.22
HSL	0°, 23%, 71%
HSV	0°, 17%, 78%
XYZ	43.2650, 41.2370, 40.8012
YIQ	174.1660, 20.2640, 7.2080

# Conversions

## Conversions Part 2

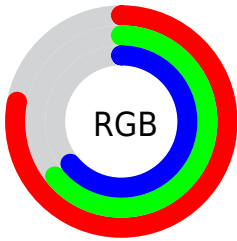
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	198, 164, 164
Decimal	13018276
CIE Lab	70.34, 12.46, 4.68
CIE LCh	70, 13.310, 20.565
Yxy	41.2370, 0.3453, 0.3291
Android (android.graphics.Color)	4291208356 (0xFFC6A4A4)
YUV	174.1660, -5.0118, 20.9024
Hunter-Lab	64.2160, 7.8848, 7.2799

# Details

The XYZ color **43.2650, 41.2370, 40.8012** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **45.6966, 52.3567, 61.1239**, and the grayscale version is **40.3360, 42.4366, 46.2135**.

A 20% lighter version of the original color is **79.3577, 77.0375, 77.7050**, and **20.2204, 18.6875, 17.8705** is the 20% darker color. If you saturate the color by 10%, you get **38.3429, 34.0348, 31.0147**, and if you desaturate by 10%, it is **49.0193, 49.6573, 52.2395**.

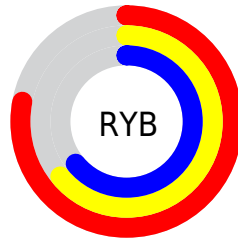
# Distribution



Red (78%)

Green (64%)

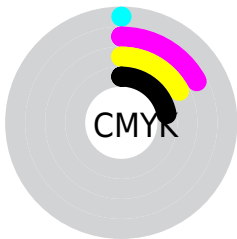
Blue (64%)



Red (78%)

Yellow (64%)

Blue (64%)

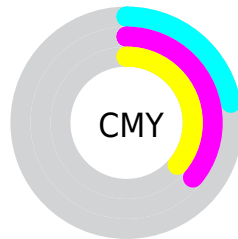


Cyan (0%)

Magenta (17%)

Yellow (17%)

Black (22%)



Cyan (22%)

Magenta (36%)


Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.2650, 41.2370, 40.8012 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 43.2650, 41.2370, 40.8012 by changing the saturation by 10% instead.





 43.2650, 41.2370,  
40.8012


 43.2650, 41.2370,  
40.8012


350.6035,  
351.3102, 365.1411

 30.2885, 28.5043,  
27.8452


 79.3638, 77.0435,  
77.6324

 20.2068, 18.7062,  
17.9710


 103.2169,  
100.8862, 102.3447

 12.6546, 11.4582,  
10.7600


131.4262,  
129.2009, 131.8130

 7.2665, 6.3759,  
5.7935

164.3570,  
162.3722, 166.4556

 3.6771, 3.0750,  
2.6532

202.3748,  
200.7844, 206.6912

 1.5211, 1.1710,  
0.9197

245.8450,

 0.3402, 0.0378,

244.8218, 252.9382

0.0000

295.1327,  
294.8690, 305.6154

■ 0.0000, 0.0000,  
0.0000

■ 43.2650, 41.2370,  
40.8012

■ 43.2650, 41.2370,  
40.8012

■ 38.3429, 34.0348,  
31.0147

■ 49.0193, 49.6573,  
52.2395

■ 34.2114, 27.9892,  
22.8014

■ 55.6383, 59.3426,  
65.3982

■ 30.8302, 23.0416,  
16.0799

■ 63.1567, 70.3439,  
80.3452

■ 28.1544, 19.1261,  
10.7607

■ 71.6065, 82.7081,  
97.1438

■ 26.1342, 16.1698,  
6.7448

■ 77.0989, 90.7459,  
108.0599

■ 24.7131, 14.0902,  
3.9201

■ 23.8253, 12.7911,  
2.1557

■ 23.3806, 12.1401,  
1.2718

■ 23.2891, 12.0063,  
1.0900

# Harmonies

## Analogous

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



43.4908, 41.2370, 46.9034



43.2650, 41.2370, 40.8012



41.9268, 41.2370, 36.2261

# Triad

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



43.2650, 41.2370, 40.8012



36.0356, 41.2370, 37.6764



38.5092, 41.2370, 57.8590

# Complementary

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



43.2650, 41.2370, 40.8012



45.6966, 52.3567, 61.1239

# 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.



36.5836, 41.2370, 54.8586



43.2650, 41.2370, 40.8012



35.1909, 41.2370, 42.9546

# Square

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



43.2650, 41.2370, 40.8012



37.7359, 41.2370, 34.5419



35.3877, 41.2370, 49.2647



40.6903, 41.2370, 57.1461



# Rectangle

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



43.2650, 41.2370, 40.8012



40.6105, 41.2370, 34.4738



35.3877, 41.2370, 49.2647



37.8119, 41.2370, 57.2415

# Sweetspot

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



43.2661, 41.2389, 40.8021



89.1316, 91.3398, 97.1340



46.7577, 42.6345, 59.1913



18.9067, 19.3000, 20.4504



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.



43.2661, 41.2389, 40.8021



72.8287, 67.4843, 64.7236



46.5139, 47.7344, 41.8846



10.6340, 10.6371, 11.0555



15.1454, 7.8080, 0.7088



0.7172, 0.3698, 0.0336



# Inverse Universe

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



45.6966, 52.3567, 61.1239



78.0168, 91.2164, 108.1023



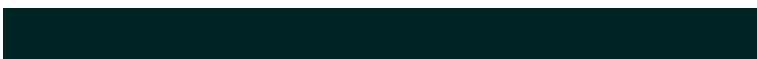
42.0273, 45.0180, 59.9007



10.9467, 12.0674, 13.6698



19.7585, 28.9109, 39.2833



0.9356, 1.3690, 1.8601



# Previews

## White Background



This preview shows how the XYZ color 43.2650, 41.2370, 40.8012 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

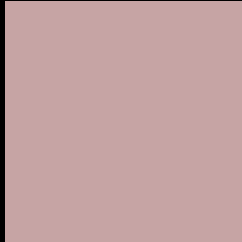
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.2650, 41.2370, 40.8012 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

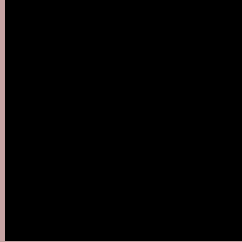
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 43.2650, 41.2370, 40.8012**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.2650, 41.2370, 40.8012.



This preview shows how white text looks on a background with the XYZ color 43.2650, 41.2370,



# 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

43.2650, 41.2370, 40.8012

### Protanopia

39.5353, 41.1831, 42.9112

### Deuteranopia

42.0753, 41.1592, 40.8489



## Tritanopia

44.2114, 41.0779, 46.1561

# Trichromacy



## Original Color

43.2650, 41.2370, 40.8012

## Protanomaly

40.7448, 40.9856, 42.3227

## Deuteranomaly

42.4041, 41.0599, 40.8124

## Tritanomaly

44.0011, 41.2768, 44.1762

# Monochromacy



## Original Color

43.2650, 41.2370, 40.8012

## Achromatopsia

40.2316, 42.3268, 46.0938

## Achromatomaly

41.1589, 41.7190, 43.9135

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.2650, 41.2370, 40.8012 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(198, 164, 164)` looks like.

```
.text, #text, p{  
    color:rgb(198, 164, 164)  
}
```

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(198, 164, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 164, 164) }
```

## Border

The CSS property to change the border of an element to XYZ 43.2650, 41.2370, 40.8012 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(198, 164, 164) }
```



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

```
.border{ border-color:rgb(198, 164, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 164, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 164, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 164, 164);  
box-shadow:4px 4px 4px 4px rgb(198, 164,  
164) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.2650, 41.2370, 40.8012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 164, 164) }
```

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

```
.background{ background-color: rgb(198,  
164, 164) }
```

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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