

# Converting Colors

XYZ(48.2715, 49.0784, 40.3327)

Have a look what the booklet for  
XYZ(48.2715, 49.0784, 40.3327)  
contains.

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# Color

**XYZ(48.2499, 48.9731,  
40.1674)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CDB6A0
RGB	205, 182, 160
RGB Percent	80%, 71%, 63%
CMY	0.1961, 0.2863, 0.3725
CMYK	0.00, 0.11, 0.22, 0.20
HSL	29°, 31%, 72%
HSV	29°, 22%, 80%
XYZ	48.2499, 48.9731, 40.1674
YIQ	186.3690, 20.7700, -1.9660

# Conversions

## Conversions Part 2

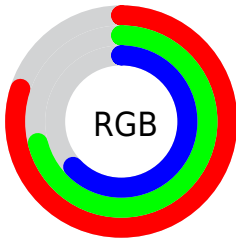
Format	Color
R <sub>Y</sub> B	205, 203, 160
Decimal	13481632
CIE Lab	75.43, 4.75, 14.21
CIE LCh	75, 14.979, 71.522
Yxy	48.9731, 0.3512, 0.3565
Android (android.graphics.Color)	4291671712 (0xFFCDB6A0)
YUV	186.3690, -12.9999, 16.3394
Hunter-Lab	69.9808, 0.6047, 14.9554

# Details

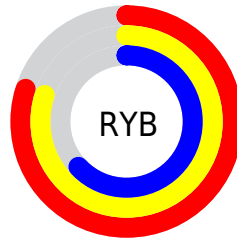
The XYZ color **48.2499, 48.9731, 40.1674** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **42.4497, 45.7470, 64.3505**, and the grayscale version is **46.9426, 49.3873, 53.7828**.

A 20% lighter version of the original color is **84.0803, 87.3154, 76.7120**, and **23.1347, 23.2673, 17.4591** is the 20% darker color. If you saturate the color by 10%, you get **44.5369, 44.1842, 30.7997**, and if you desaturate by 10%, it is **52.4217, 54.2058, 51.1482**.

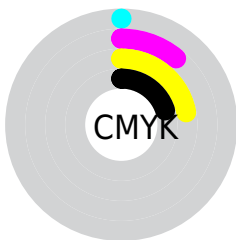
# Distribution



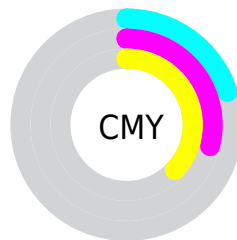
- Red (80%)
- Green (71%)
- Blue (63%)



- Red (80%)
- Yellow (80%)
- Blue (63%)



- Cyan (0%)
- Magenta (11%)
- Yellow (22%)
- Black (20%)




- Cyan (20%)
- Magenta (29%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.2499, 48.9731, 40.1674 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 48.2499, 48.9731, 40.1674 by changing the saturation by 10% instead.





 48.2499, 48.9731,  
40.1674


 48.2499, 48.9731,  
40.1674


370.3479,  
382.6364, 362.4017

 34.2369, 34.5981,  
27.3543


 86.7838, 88.6515,  
76.6582

 23.2394, 23.3535,  
17.6047


 112.0354,  
114.7237, 101.1731

 14.8920, 14.8547,  
10.5001

141.7640,  
145.4638, 130.4255

 8.8295, 8.7175,  
5.6218

176.3348,  
181.2562, 164.8342

 4.6863, 4.5574,  
2.5515

216.1132,  
222.4853, 204.8176

 2.0973, 1.9900,  
0.8673

261.4647,

 0.6877, 0.6016,

269.5354, 250.7943

0.0000

312.7545,  
322.7910, 303.1828

■ 0.0000, 0.0000,  
0.0000

■ 48.2499, 48.9731,  
40.1674

■ 48.2499, 48.9731,  
40.1674

■ 44.5369, 44.1842,  
30.7997

■ 52.4217, 54.2058,  
51.1482

■ 41.2610, 39.8196,  
22.9645

■ 57.0654, 59.8878,  
63.8111

■ 38.4040, 35.8681,  
16.5789

■ 62.1982, 66.0328,  
78.2249

■ 35.9451, 32.3152,  
11.5509

■ 67.8352, 72.6522,  
94.4536

■ 33.8610, 29.1456,  
7.7778

■ 72.7592, 79.2638,  
106.0724

■ 32.1256, 26.3422,  
5.1417

■ 75.8370, 85.4193,  
107.0983

■ 30.7082, 23.8861,  
3.5021

■ 78.9869, 91.7192,  
108.1483

■ 29.7573, 22.1400,  
2.7051

# Harmonies

## Analogous

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



50.6352, 48.9731, 43.8687



48.2499, 48.9731, 40.1674



45.4954, 48.9731, 39.7735

# Triad

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



48.2499, 48.9731, 40.1674



41.5384, 48.9731, 56.4174



50.1551, 48.9731, 65.5322

# Complementary

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



48.2499, 48.9731, 40.1674



42.4497, 45.7470, 64.3505

# 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.



47.6156, 48.9731, 69.6464



48.2499, 48.9731, 40.1674



42.6859, 48.9731, 64.0474

# Square

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



48.2499, 48.9731, 40.1674



41.6930, 48.9731, 48.6496



44.8855, 48.9731, 69.0776



51.7648, 48.9731, 58.2873



# Rectangle

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



48.2499, 48.9731, 40.1674



43.8274, 48.9731, 41.3877



44.8855, 48.9731, 69.0776



49.3778, 48.9731, 67.3580

# Sweetspot

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



48.2512, 48.9753, 40.1684



89.4668, 93.2208, 93.5137



46.3213, 41.5506, 50.5154



19.0505, 19.8318, 19.7461



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.



48.2512, 48.9753, 40.1684



76.2809, 76.6973, 58.7572



53.1746, 58.8221, 41.8096



11.6576, 12.1042, 11.8014



18.6196, 13.9722, 1.7155



1.0365, 0.8726, 0.1138

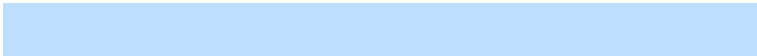


# Inverse Universe

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



42.4497, 45.7470, 64.3505



65.2376, 70.5518, 104.7872



38.2184, 37.2845, 62.9400



11.0678, 11.7760, 14.2600



10.0850, 9.1940, 37.1993



0.5961, 0.6260, 1.9444



# Previews

## White Background



This preview shows how the XYZ color 48.2499, 48.9731, 40.1674 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 48.2499, 48.9731, 40.1674 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

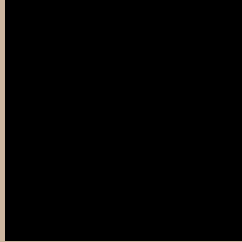
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 48.2499, 48.9731, 40.1674**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.2499, 48.9731, 40.1674.



This preview shows how white text looks on a background with the XYZ color 48.2499, 48.9731,



# 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

48.2499, 48.9731, 40.1674

### Protanopia

46.3762, 48.9087, 41.1784

### Deuteranopia

49.9937, 48.9595, 40.5334



## Tritanopia

51.4206, 48.7612, 55.9919

# Trichromacy



## Original Color

48.2499, 48.9731, 40.1674

## Protanomaly

47.1267, 48.9963, 40.6916

## Deuteranomaly

49.3326, 48.9174, 40.5601

## Tritanomaly

50.3707, 48.9454, 49.9726

# Monochromacy



## Original Color

48.2499, 48.9731, 40.1674

## Achromatopsia

46.6715, 49.1021, 53.4722

## Achromatomaly

47.2771, 49.2097, 48.6016

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.2499, 48.9731, 40.1674 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(205, 182, 160)` looks like.

```
.text, #text, p{  
    color:rgb(205, 182, 160)  
}
```

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(205, 182, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 182, 160) }
```

## Border

The CSS property to change the border of an element to XYZ 48.2499, 48.9731, 40.1674 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(205, 182, 160) }
```



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

```
.border{ border-color:rgb(205, 182, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 182, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 182, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 182, 160);  
box-shadow:4px 4px 4px 4px rgb(205, 182,  
160) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.2499, 48.9731, 40.1674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 182, 160) }
```

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

```
.background{ background-color: rgb(205,  
182, 160) }
```

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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