

# Converting Colors

XYZ(49.5761, 43.7037, 40.9708)

Have a look what the booklet for  
XYZ(49.5761, 43.7037, 40.9708)  
contains.

<b>XYZ(49.5699, 43.6997, 40.9442)</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(49.5699, 43.6997,  
40.9442)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEA1A4
RGB	222, 161, 164
RGB Percent	87%, 63%, 64%
CMY	0.1294, 0.3686, 0.3569
CMYK	0.00, 0.27, 0.26, 0.13
HSL	357°, 48%, 75%
HSV	357°, 27%, 87%
XYZ	49.5699, 43.6997, 40.9442
YIQ	179.5810, 35.3930, 13.8650

# Conversions

## Conversions Part 2

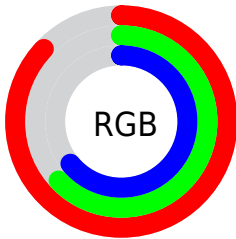
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	222, 161, 164
Decimal	14590372
CIE <sub>Lab</sub>	72.03, 23.04, 7.41
CIE <sub>LCh</sub>	72, 24.202, 17.837
Yxy	43.6997, 0.3693, 0.3256
Android (android.graphics.Color)	4292780452 (0xFFDEA1A4)
YUV	179.5810, -7.6814, 37.2015
Hunter-Lab	66.1057, 18.1645, 9.5513

# Details

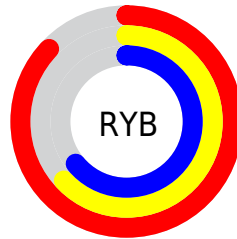
The XYZ color **49.5699, 43.6997, 40.9442** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **53.6073, 64.9351, 76.7295**, and the grayscale version is **43.1855, 45.4345, 49.4782**.

A 20% lighter version of the original color is **78.5820, 75.4862, 77.4464**, and **24.1192, 20.2141, 17.9597** is the 20% darker color. If you saturate the color by 10%, you get **44.2785, 35.9185, 30.5427**, and if you desaturate by 10%, it is **55.8689, 52.9890, 53.2436**.

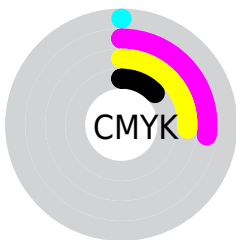
# Distribution



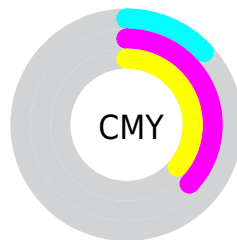
- Red (87%)
- Green (63%)
- Blue (64%)



- Red (87%)
- Yellow (63%)
- Blue (64%)



- Cyan (0%)
- Magenta (27%)
- Yellow (26%)
- Black (13%)




- Cyan (13%)
- Magenta (37%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.5699, 43.6997, 40.9442 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 49.5699, 43.6997, 40.9442 by changing the saturation by 10% instead.





 49.5699, 43.6997,  
40.9442


 49.5699, 43.6997,  
40.9442


375.4614,  
361.4814, 365.7571

 35.2882, 30.4345,  
27.9561


 88.7329, 80.7657,  
77.8519

 24.0525, 20.1686,  
18.0538


 114.3450,  
105.3352, 102.6087

 15.4975, 12.5177,  
10.8188


144.4644,  
134.4417, 132.1253

 9.2579, 7.0973,  
5.8325

179.4568,  
168.4695, 166.8205

 4.9682, 3.5230,  
2.6764

219.6873,  
207.8029, 207.1128

 2.2632, 1.4105,  
0.9315

265.5213,

 0.7757, 0.2244,

252.8265, 253.4206

0.0000

317.3243,  
303.9245, 306.1625

■ 0.0000, 0.0000,  
0.0000

■ 49.5699, 43.6997,  
40.9442

■ 49.5699, 43.6997,  
40.9442

■ 44.2785, 35.9185,  
30.5427

■ 55.8689, 52.9890,  
53.2436

■ 39.9390, 29.5602,  
21.9421

■ 63.2202, 63.8536,  
67.5261

■ 36.4961, 24.5405,  
15.0410

■ 71.6702, 76.3641,  
83.8748

■ 33.8868, 20.7637,  
9.7266

■ 81.2613, 90.5849,  
102.3672

■ 32.0404, 18.1214,  
5.8726

■ 83.9343, 94.2696,  
108.3798

■ 30.8743, 16.4867,  
3.3336

■ 30.2804, 15.6894,  
1.9318

■ 30.1841, 15.5536,  
1.7249

# Harmonies

## Analogous

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



49.7994, 43.6997, 52.5404



49.5699, 43.6997, 40.9442



47.1020, 43.6997, 32.6249

# Triad

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



49.5699, 43.6997, 40.9442



35.9181, 43.6997, 33.8795



39.8831, 43.6997, 73.4819

# Complementary

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



49.5699, 43.6997, 40.9442



53.6073, 64.9351, 76.7295

# 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.



36.4254, 43.6997, 66.5268



49.5699, 43.6997, 40.9442



34.2401, 43.6997, 42.9450

# Square

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



49.5699, 43.6997, 40.9442



39.1480, 43.6997, 29.0360



34.4194, 43.6997, 54.9000



44.0177, 43.6997, 72.7055



# Rectangle

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



49.5699, 43.6997, 40.9442



44.6063, 43.6997, 29.4609



34.4194, 43.6997, 54.9000



38.6085, 43.6997, 71.9286

# Sweetspot

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



49.5711, 43.7017, 40.9451



85.9165, 86.4809, 91.2181



55.1293, 45.8181, 75.0456



18.0455, 18.0015, 18.8569



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.



49.5711, 43.7017, 40.9451



63.5107, 53.4236, 47.5129



54.6380, 54.2635, 41.3150



13.7344, 13.7114, 14.3715



17.9405, 9.2432, 1.0867



1.2533, 0.6446, 0.1267



# Inverse Universe

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



49.5711, 43.7017, 40.9451



63.5107, 53.4236, 47.5129



47.2990, 51.6817, 76.5901



13.7344, 13.7114, 14.3715



17.9405, 9.2432, 1.0867

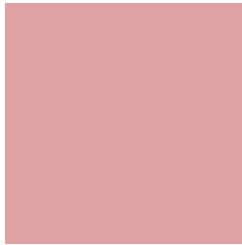


1.2533, 0.6446, 0.1267



# Previews

## White Background



This preview shows how the XYZ color 49.5699, 43.6997, 40.9442 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

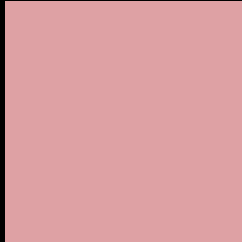
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.5699, 43.6997, 40.9442 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 49.5699, 43.6997, 40.9442**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.5699, 43.6997, 40.9442.



This preview shows how white text looks on a background with the XYZ color 49.5699, 43.6997,

40.9442.

# 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

49.5699, 43.6997, 40.9442

### Protanopia

42.0278, 43.8530, 45.2791

### Deuteranopia

44.6377, 43.8766, 40.2988



## Tritanopia

50.4486, 43.8081, 44.8266

# Trichromacy



## Original Color

49.5699, 43.6997, 40.9442

## Protanomaly

44.4893, 43.7262, 43.6313

## Deuteranomaly

46.1617, 43.5472, 40.6228

## Tritanomaly

50.1637, 43.6942, 43.3260

# Monochromacy



## Original Color

49.5699, 43.6997, 40.9442

## Achromatopsia

43.3819, 45.6411, 49.7032

## Achromatomaly

45.0892, 44.5452, 46.2660

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.5699, 43.6997, 40.9442 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, 161, 164)` looks like.

```
.text, #text, p{  
    color:rgb(222, 161, 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(222, 161, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 161, 164) }
```

## Border

The CSS property to change the border of an element to XYZ 49.5699, 43.6997, 40.9442 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, 161, 164) }
```



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

```
.border{ border-color:rgb(222, 161, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 161, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 161, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 161, 164);  
box-shadow:4px 4px 4px 4px rgb(222, 161,  
164) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.5699, 43.6997, 40.9442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 161, 164) }
```

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

```
.background{ background-color: rgb(222,  
161, 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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