

# Converting Colors

XYZ(49.7232, 42.1480, 36.1881)

Have a look what the booklet for  
XYZ(49.7232, 42.1480, 36.1881)  
contains.

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# Color

**XYZ(49.7014, 42.1023,  
36.0789)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E59A9A
RGB	229, 154, 154
RGB Percent	90%, 60%, 60%
CMY	0.1020, 0.3961, 0.3961
CMYK	0.00, 0.33, 0.33, 0.10
HSL	0°, 59%, 75%
HSV	0°, 33%, 90%
XYZ	49.7014, 42.1023, 36.0789
YIQ	176.4250, 44.7000, 15.9000

# Conversions

## Conversions Part 2

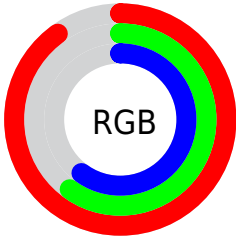
Format	Color
R <sub>Y</sub> B	229, 154, 154
Decimal	15047322
CIE Lab	70.94, 28.07, 11.50
CIE LCh	71, 30.339, 22.278
Yxy	42.1023, 0.3886, 0.3292
Android (android.graphics.Color)	4293237402 (0xFFE59A9A)
YUV	176.4250, -11.0555, 46.1083
Hunter-Lab	64.8863, 23.1759, 12.4532

# Details

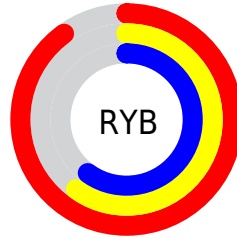
The XYZ color **49.7014, 42.1023, 36.0789** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **55.4875, 68.5633, 84.4383**, and the grayscale version is **41.5293, 43.6920, 47.5806**.

A 20% lighter version of the original color is **75.4256, 71.4150, 69.4836**, and **24.2128, 19.2527, 15.2719** is the 20% darker color. If you saturate the color by 10%, you get **44.5474, 34.5609, 25.8317**, and if you desaturate by 10%, it is **55.9424, 51.2350, 48.4842**.

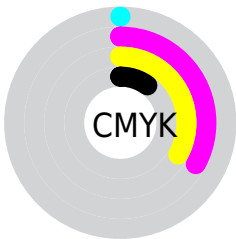
# Distribution



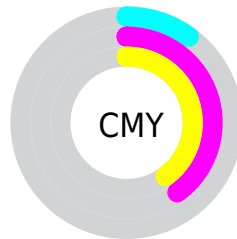
- Red (90%)
- Green (60%)
- Blue (60%)



- Red (90%)
- Yellow (60%)
- Blue (60%)



- Cyan (0%)
- Magenta (33%)
- Yellow (33%)
- Black (10%)




- Cyan (10%)
- Magenta (40%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.7014, 42.1023, 36.0789 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 49.7014, 42.1023, 36.0789 by changing the saturation by 10% instead.





 49.7014, 42.1023,  
36.0789

 49.7014, 42.1023,  
36.0789


375.9684,  
354.9068, 344.3531

 35.3930, 29.1814,  
24.2050


 88.9268, 78.3544,  
70.3242

 24.1337, 19.2181,  
15.2721

 114.5745,  
102.4544, 93.5327

 15.5581, 11.8280,  
8.8619


144.7327,  
131.0496, 121.3565

 9.3009, 6.6266,  
4.5556

179.7667,  
164.5244, 154.2140

 4.9966, 3.2297,  
1.9348

220.0419,  
203.2631, 192.5239

 2.2800, 1.2528,  
0.5148

265.9237,

 0.7844, 0.1042,

247.6501, 236.7047

0.0000

317.7774,  
298.0699, 287.1749

■ 0.0000, 0.0000,  
0.0000

■ 49.7014, 42.1023,  
36.0789

■ 49.7014, 42.1023,  
36.0789

■ 44.5474, 34.5609,  
25.8317

■ 55.9424, 51.2350,  
48.4842

■ 40.4152, 28.5142,  
17.6173

■ 63.3239, 62.0362,  
63.1585

■ 37.2378, 23.8647,  
11.3009

■ 71.9001, 74.5857,  
80.2080

■ 34.9387, 20.5004,  
6.7309

■ 81.7208, 88.9559,  
99.7313

■ 33.4302, 18.2928,  
3.7322

■ 86.1231, 95.3980,  
108.4822

■ 32.6057, 17.0863,  
2.0936

■ 32.3132, 16.6583,  
1.5123

# Harmonies

## Analogous

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



50.4415, 42.1023, 49.6851



49.7014, 42.1023, 36.0789



46.2630, 42.1023, 27.1616

# Triad

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



49.7014, 42.1023, 36.0789



32.8109, 42.1023, 30.8336



38.7251, 42.1023, 79.3271

# Complementary

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



49.7014, 42.1023, 36.0789



55.4875, 68.5633, 84.4383

# 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.



34.3601, 42.1023, 71.5726



49.7014, 42.1023, 36.0789



31.1378, 42.1023, 42.2028

# Square

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



49.7014, 42.1023, 36.0789



36.4443, 42.1023, 24.6076



31.6801, 42.1023, 57.2249



43.8158, 42.1023, 76.7252



# Rectangle

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



49.7014, 42.1023, 36.0789



43.0491, 42.1023, 24.1112



31.6801, 42.1023, 57.2249



37.1307, 42.1023, 77.7969

# Sweetspot

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



49.7025, 42.1043, 36.0797



83.6111, 83.2617, 86.1596



58.0118, 45.4268, 79.8394



17.5792, 17.3576, 17.8115



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.



49.7025, 42.1043, 36.0797



59.0168, 47.2734, 37.2672



56.8861, 56.4715, 38.4743



14.3771, 14.3682, 14.9200



18.4752, 9.5245, 0.8647



1.3653, 0.7039, 0.0639



# Inverse Universe

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



55.4875, 68.5633, 84.4383



67.4314, 85.7591, 107.6069



46.2097, 50.0076, 81.3457



14.8074, 16.3363, 18.5171



24.1040, 35.2701, 47.9206



1.7812, 2.6064, 3.5412



# Previews

## White Background



This preview shows how the XYZ color 49.7014, 42.1023, 36.0789 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

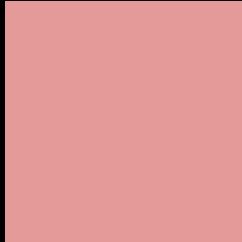
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.7014, 42.1023, 36.0789 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 49.7014, 42.1023, 36.0789**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.7014, 42.1023, 36.0789.



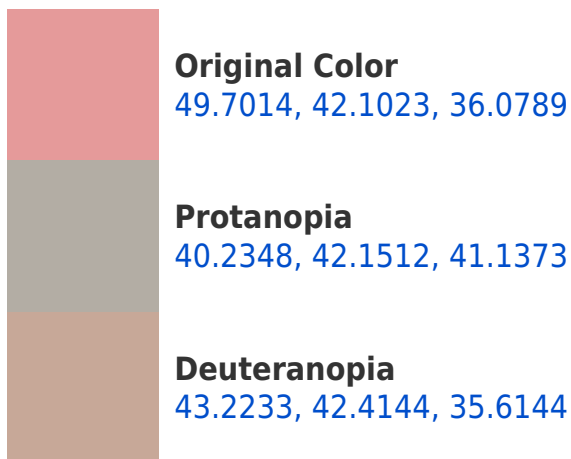
This preview shows how white text looks on a background with the XYZ color 49.7014, 42.1023,



# 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

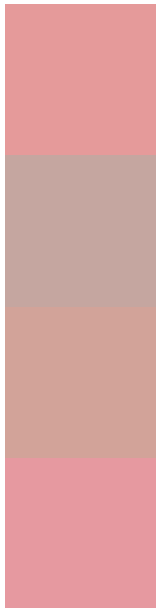




## Tritanopia

50.5622, 41.9598, 40.5561

# Trichromacy



## Original Color

49.7014, 42.1023, 36.0789

## Protanomaly

43.0073, 41.6808, 39.0362

## Deuteranomaly

45.4253, 42.1959, 35.8874

## Tritanomaly

50.3695, 42.1435, 38.7375

# Monochromacy



## Original Color

49.7014, 42.1023, 36.0789

## Achromatopsia

41.2663, 43.4154, 47.2793

## Achromatomaly

43.5762, 42.4345, 42.9398

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.7014, 42.1023, 36.0789 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(229, 154, 154)` looks like.

```
.text, #text, p{  
    color:rgb(229, 154, 154)  
}
```

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(229, 154, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 154, 154) }
```

## Border

The CSS property to change the border of an element to XYZ 49.7014, 42.1023, 36.0789 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(229, 154, 154) }
```



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

```
.border{ border-color:rgb(229, 154, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 154, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 154, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 154, 154);  
box-shadow:4px 4px 4px 4px rgb(229, 154,  
154) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.7014, 42.1023, 36.0789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 154, 154) }
```

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

```
.background{ background-color: rgb(229,  
154, 154) }
```

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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