

# Converting Colors

XYZ(55.2179, 50.2429, 43.0841)

Have a look what the booklet for  
XYZ(55.2179, 50.2429, 43.0841)  
contains.

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# Color

**XYZ(54.9740, 50.0142,  
42.8327)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7AEA6
RGB	231, 174, 166
RGB Percent	91%, 68%, 65%
CMY	0.0941, 0.3176, 0.3490
CMYK	0.00, 0.25, 0.28, 0.09
HSL	7°, 58%, 78%
HSV	7°, 28%, 91%
XYZ	54.9740, 50.0142, 42.8327
YIQ	190.1310, 36.5400, 9.5960

# Conversions

## Conversions Part 2

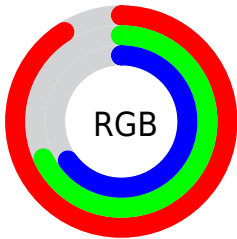
Format	Color
R <sub>Y</sub> B	231, 175, 166
Decimal	15183526
CIE Lab	76.08, 19.70, 12.21
CIE LCh	76, 23.180, 31.789
Yxy	50.0142, 0.3719, 0.3383
Android (android.graphics.Color)	4293373606 (0xFFE7AEA6)
YUV	190.1310, -11.8966, 35.8421
Hunter-Lab	70.7207, 14.9938, 13.5949

# Details

The XYZ color **54.9740, 50.0142, 42.8327** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **56.5366, 66.6499, 85.4865**, and the grayscale version is **49.0718, 51.6273, 56.2222**.

A 20% lighter version of the original color is **82.5880, 83.0741, 80.0887**, and **27.3302, 23.8883, 19.0900** is the 20% darker color. If you saturate the color by 10%, you get **49.4200, 41.9981, 31.4492**, and if you desaturate by 10%, it is **61.5014, 59.3674, 56.4195**.

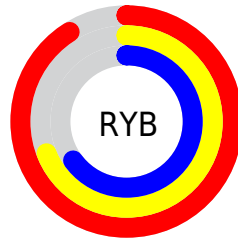
# Distribution



Red (91%)

Green (68%)

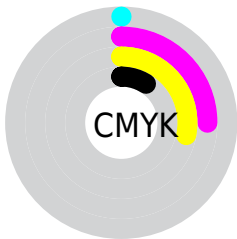
Blue (65%)



Red (91%)

Yellow (69%)

Blue (65%)

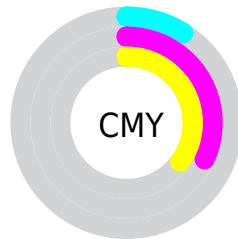


Cyan (0%)

Magenta (25%)

Yellow (28%)

Black (9%)



Cyan (9%)

Magenta (32%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.9740, 50.0142, 42.8327 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 54.9740, 50.0142, 42.8327 by changing the saturation by 10% instead.





 54.9740, 50.0142,  
42.8327


 54.9740, 50.0142,  
42.8327


395.9514,  
386.7215, 373.8243

 39.6147, 35.4247,  
29.4234


 96.6514, 90.1959,  
80.7420

 27.4211, 23.9902,  
19.1531


 123.7002,  
116.5569, 106.0791

 18.0280, 15.3263,  
11.6030


155.3762,  
147.6105, 136.2292

 11.0699, 9.0487,  
6.3547

192.0447,  
183.7411, 171.6109

 6.1815, 4.7730,  
2.9897

234.0711,  
225.3331, 212.6428

 2.9975, 2.1147,  
1.0894

281.8208,

 1.1524, 0.6729,

272.7709, 259.7432

0.0000

335.6591,  
326.4389, 313.3309

■ 0.0683, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 54.9740, 50.0142,  
42.8327

■ 54.9740, 50.0142,  
42.8327

■ 49.4200, 41.9981,  
31.4492

■ 61.5014, 59.3674,  
56.4195

■ 44.7887, 35.2512,  
22.1497

■ 69.0417, 70.1076,  
72.3139

■ 41.0308, 29.7103,  
14.8085

■ 77.6372, 82.2907,  
90.6176

■ 38.0907, 25.3040,  
9.2849

■ 86.7651, 95.7290,  
108.5123

■ 35.9065, 21.9532,  
5.4195

■ 34.4068, 19.5685,  
3.0251

■ 33.5011, 18.0432,  
1.8405

■ 33.3810, 17.8408,  
1.6842

# Harmonies

## Analogous

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



56.3575, 50.0142, 53.7158



54.9740, 50.0142, 42.8327



51.5841, 50.0142, 36.0252

# Triad

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



54.9740, 50.0142, 42.8327



40.5686, 50.0142, 43.9410



47.7975, 50.0142, 81.9482

# Complementary

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



54.9740, 50.0142, 42.8327



56.5366, 66.6499, 85.4865

# 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.



43.7073, 50.0142, 78.2980



54.9740, 50.0142, 42.8327



39.6885, 50.0142, 55.2050

# Square

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



54.9740, 50.0142, 42.8327



43.2829, 50.0142, 36.5935



40.8029, 50.0142, 68.0143



52.0611, 50.0142, 77.3533



# Rectangle

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



54.9740, 50.0142, 42.8327



48.7365, 50.0142, 34.0951



40.8029, 50.0142, 68.0143



46.3573, 50.0142, 81.6427

# Sweetspot

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



54.9753, 50.0165, 42.8337



86.4943, 87.8684, 90.6962



59.9672, 49.6122, 76.5227



18.1896, 18.3473, 18.7270



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.



54.9753, 50.0165, 42.8337



64.4513, 56.3292, 44.6682



61.9297, 63.9253, 45.1518



14.5193, 14.6524, 14.9674



18.7616, 10.0973, 0.9601



1.4334, 0.8401, 0.0866



# Inverse Universe

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



56.5366, 66.6499, 85.4865



66.7104, 80.4739, 106.6247



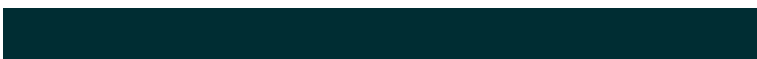
48.7629, 51.1024, 82.8952



14.6480, 16.0175, 18.4640



20.0618, 27.1858, 46.5732



1.5253, 2.0945, 3.4558



# Previews

## White Background



This preview shows how the XYZ color 54.9740, 50.0142, 42.8327 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

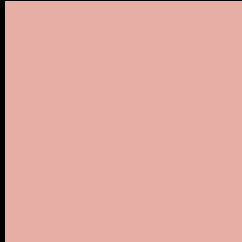
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.9740, 50.0142, 42.8327 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

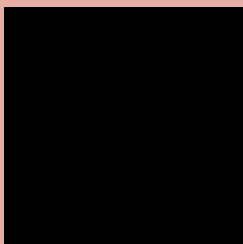
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 54.9740, 50.0142, 42.8327**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.9740, 50.0142, 42.8327.



This preview shows how white text looks on a background with the XYZ color 54.9740, 50.0142,

42.8327.

# 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

54.9740, 50.0142, 42.8327

### Protanopia

47.8188, 50.1599, 46.6967

### Deuteranopia

51.0470, 50.0605, 42.5695



## Tritanopia

56.8189, 49.9101, 51.9863

# Trichromacy



## Original Color

54.9740, 50.0142, 42.8327

## Protanomaly

49.9961, 49.7681, 45.0013

## Deuteranomaly

52.2271, 49.7730, 42.4518

## Tritanomaly

55.9670, 49.8352, 48.2643

# Monochromacy



## Original Color

54.9740, 50.0142, 42.8327

## Achromatopsia

48.9429, 51.4918, 56.0745

## Achromatomaly

50.6578, 50.5963, 50.8122

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.9740, 50.0142, 42.8327 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(231, 174, 166)` looks like.

```
.text, #text, p{  
    color:rgb(231, 174, 166)  
}
```

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(231, 174, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 174, 166) }
```

## Border

The CSS property to change the border of an element to XYZ 54.9740, 50.0142, 42.8327 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(231, 174, 166) }
```



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

```
.border{ border-color:rgb(231, 174, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 174, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 174, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 174, 166); box-shadow:4px 4px 4px 4px rgb(231, 174, 166) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.9740, 50.0142, 42.8327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 174, 166) }
```

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

```
.background{ background-color: rgb(231,  
174, 166) }
```

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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