

# Converting Colors

XYZ(42.9399, 33.9256, 24.9880)

Have a look what the booklet for  
XYZ(42.9399, 33.9256, 24.9880)  
contains.

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# Color

**XYZ(42.9542, 33.9348,  
25.0550)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E08481
RGB	224, 132, 129
RGB Percent	88%, 52%, 51%
CMY	0.1216, 0.4823, 0.4941
CMYK	0.00, 0.41, 0.42, 0.12
HSL	2°, 61%, 69%
HSV	2°, 42%, 88%
XYZ	42.9542, 33.9348, 25.0550
YIQ	159.1660, 55.7950, 18.5710

# Conversions

## Conversions Part 2

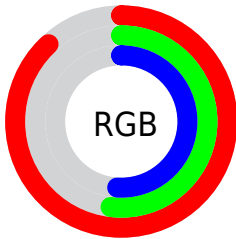
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	224, 132, 129
Decimal	14713985
CIE <sub>Lab</sub>	64.91, 34.95, 16.94
CIE <sub>LCh</sub>	65, 38.838, 25.865
Yxy	33.9348, 0.4214, 0.3329
Android (android.graphics.Color)	4292904065 (0xFFE08481)
YUV	159.1660, -14.8718, 56.8594
Hunter-Lab	58.2536, 29.6760, 15.2767

# Details

The XYZ color **42.9542, 33.9348, 25.0550** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **48.3630, 61.7591, 79.8927**, and the grayscale version is **33.0795, 34.8022, 37.8996**.

A 20% lighter version of the original color is **67.2424, 59.7552, 52.2458**, and **20.1163, 14.5710, 9.3417** is the 20% darker color. If you saturate the color by 10%, you get **38.9833, 28.1204, 17.1732**, and if you desaturate by 10%, it is **47.8647, 41.1062, 34.8607**.

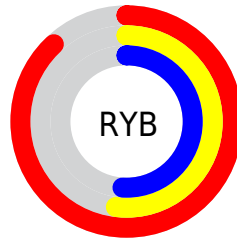
# Distribution



Red (88%)

Green (52%)

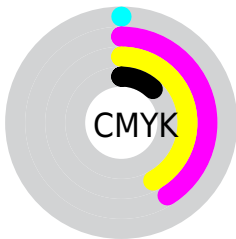
Blue (51%)



Red (88%)

Yellow (52%)

Blue (51%)

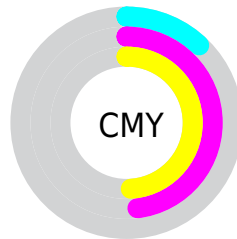


Cyan (0%)

Magenta (41%)

Yellow (42%)

Black (12%)



Cyan (12%)

Magenta (48%)


Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.9542, 33.9348, 25.0550 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 42.9542, 33.9348, 25.0550 by changing the saturation by 10% instead.





 42.9542, 33.9348,  
25.0550


 42.9542, 33.9348,  
25.0550


349.3481,  
319.8412, 291.5682


 30.0435, 22.8435,  
15.8986


 78.8979, 65.8323,  
52.7117

 20.0199, 14.4780,  
9.2989

 102.6616, 87.4072,  
72.0490

 12.5178, 8.4539,  
4.8372


 130.7738,  
113.2456, 95.6172

 7.1721, 4.3867,  
2.0950

163.5997,  
143.7316, 123.8346

 3.6172, 1.8922,  
0.6128

201.5047,  
179.2498, 157.1199

 1.4880, 0.5437,  
0.0000

244.8542,

 0.3176, 0.0000,

220.1846, 195.8916

0.0000

294.0136,  
266.9202, 240.5681

■ 0.0000, 0.0000,  
0.0000

■ 42.9542, 33.9348,  
25.0550

■ 42.9542, 33.9348,  
25.0550

■ 38.9833, 28.1204,  
17.1732

■ 47.8647, 41.1062,  
34.8607

■ 35.8897, 23.5728,  
11.0872

■ 53.7668, 49.7071,  
46.7034

■ 33.6076, 20.1991,  
6.6564

■ 60.7117, 59.8110,  
60.6894

■ 32.0609, 17.8916,  
3.7181

■ 68.7462, 71.4848,  
76.9174

■ 31.1591, 16.5226,  
2.0773

■ 77.9144, 84.7914,  
95.4797

■ 30.8174, 16.0011,  
1.4643

■ 84.5505, 94.5873,  
108.4086

# Harmonies

## Analogous

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



44.2395, 33.9348, 39.2192



42.9542, 33.9348, 25.0550



38.6863, 33.9348, 16.8395

# Triad

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



42.9542, 33.9348, 25.0550



24.1317, 33.9348, 22.1966



31.4833, 33.9348, 77.0677

# Complementary

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



42.9542, 33.9348, 25.0550



48.3630, 61.7591, 79.8927

# 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.



26.5774, 33.9348, 68.8318



42.9542, 33.9348, 25.0550



22.6560, 33.9348, 34.7686

# Square

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



42.9542, 33.9348, 25.0550



27.7777, 33.9348, 15.5559



23.4970, 33.9348, 52.1139



37.1871, 33.9348, 72.2557



# Rectangle

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



42.9542, 33.9348, 25.0550



34.9576, 33.9348, 14.3753



23.4970, 33.9348, 52.1139



29.6935, 33.9348, 75.6820

# Sweetspot

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



42.9551, 33.9365, 25.0556



80.7653, 79.2471, 80.0413



51.8316, 36.8444, 73.7802



16.8219, 16.2856, 16.1944



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.



42.9551, 33.9365, 25.0556



52.7972, 38.4568, 24.0255



50.6400, 49.3064, 27.6173



13.7418, 13.7696, 14.2403



17.9536, 9.3451, 0.8575



1.2569, 0.6726, 0.0636



# Inverse Universe

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



48.3630, 61.7591, 79.8927



60.9617, 80.4994, 106.9327



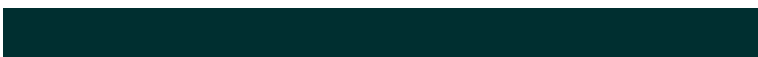
37.8218, 40.6767, 76.3789



14.0775, 15.4940, 17.6364



22.2783, 32.0262, 46.0559



1.5561, 2.2436, 3.1963



# Previews

## White Background



This preview shows how the XYZ color 42.9542, 33.9348, 25.0550 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 42.9542, 33.9348, 25.0550 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

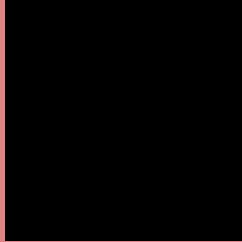
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 42.9542, 33.9348, 25.0550**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.9542, 33.9348, 25.0550.



This preview shows how white text looks on a background with the XYZ color 42.9542, 33.9348,

25.0550.

# 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

42.9542, 33.9348, 25.0550

### Protanopia

32.4565, 34.0663, 30.4560

### Deuteranopia

34.7613, 34.1532, 24.4988



## Tritanopia

43.7676, 33.8663, 29.0410

# Trichromacy



## Original Color

42.9542, 33.9348, 25.0550

## Protanomaly

35.3550, 33.4251, 28.2552

## Deuteranomaly

37.5094, 33.9252, 24.6499

## Tritanomaly

43.6116, 34.0177, 27.5600

# Monochromacy



## Original Color

42.9542, 33.9348, 25.0550

## Achromatopsia

32.9542, 34.6704, 37.7561

## Achromatomaly

35.6212, 33.7003, 32.6443

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.9542, 33.9348, 25.0550 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(224, 132, 129)` looks like.

```
.text, #text, p{  
    color:rgb(224, 132, 129)  
}
```

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(224, 132, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 132, 129) }
```

## Border

The CSS property to change the border of an element to XYZ 42.9542, 33.9348, 25.0550 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(224, 132, 129) }
```



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

```
.border{ border-color:rgb(224, 132, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 132, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 132, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 132, 129);  
box-shadow:4px 4px 4px 4px rgb(224, 132,  
129) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.9542, 33.9348, 25.0550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 132, 129) }
```

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

```
.background{ background-color: rgb(224,  
132, 129) }
```

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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